**simple shell task**

**concepts page**

# Everything you need to know to start coding your own shell

## PID & PPID

**A process is an instance of an executing program, that has a unique process ID. This process ID is used by many functions and system calls to interact with and manipulate processes. In order to retrieve the current process’ ID, you can use the system call getpid (man 2 getpid):**

**julien@ubuntu:~/c/shell$ cat pid.c**

**#include <stdio.h>**

**#include <unistd.h>**

**/\*\***

**\* main - PID**

**\***

**\* Return: Always 0.**

**\*/**

**int main(void)**

**{**

**pid\_t my\_pid;**

**my\_pid = getpid();**

**printf("%u\n", my\_pid);**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ gcc -Wall -Werror -pedantic pid.c -o mypid && ./mypid**

**3237**

**julien@ubuntu:~/c/shell$ ./mypid**

**3238**

**julien@ubuntu:~/c/shell$ ./mypid**

**3239**

**julien@ubuntu:~/c/shell$**

**Note in the example above, that every time you run the program, a new process is created, and its ID is different.**

**Each process has a parent: the process that created it. It is possible to get the PID of a parent process by using the getppid system call (man 2 getppid), from within the child process.**

### Exercises

#### 0. getppid

**Write a program that prints the PID of the parent process. Run your program several times within the same shell. It should be the same. Does echo $$ print the same value? Why?**

#### 1. /proc/sys/kernel/pid\_max

**Write a shell script that prints the maximum value a process ID can be.**

## Arguments

**The command line arguments are passed through the main function: int main(int ac, char \*\*av);**

* **av is a NULL terminated array of strings**
* **ac is the number of items in av**

**av[0] usually contains the name used to invoke the current program. av[1] is the first argument of the program, av[2] the second, and so on.**

### Exercises

#### 0. av

**Write a program that prints all the arguments, without using ac.**

#### 1. Read line

**Write a program that prints "$ ", wait for the user to enter a command, prints it on the next line.**

**man 3 getline**

**important make sure you read the man, and the RETURN VALUE section, in order to know when to stop reading Keyword: “end-of-file”, or EOF (or Ctrl+D).**

***#advanced*: Write your own version of getline.**

**julien@ubuntu:~/c/shell$ gcc -Wall -Wextra -Werror -pedantic prompt.c -o prompt**

**julien@ubuntu:~/c/shell$ ./prompt**

**$ cat prompt.c**

**cat prompt.c**

**julien@ubuntu:~/c/shell$**

#### 2. command line to av

**Write a function that splits a string and returns an array of each word of the string.**

**man strtok**

***#advanced*: Write the function without strtok**

## Executing a program

**The system call execve allows a process to execute another program (man 2 execve). Note that this system call does load the new program into the current process’ memory in place of the “previous” program: on success execve does not return to continue the rest of the “previous” program.**

**Warning: in this example, execve is used without the current environment (last argument), don’t forget to add it in your Shell!**

**julien@ubuntu:~/c/shell$ cat exec.c**

**#include <stdio.h>**

**#include <unistd.h>**

**/\*\***

**\* main - execve example**

**\***

**\* Return: Always 0.**

**\*/**

**int main(void)**

**{**

**char \*argv[] = {"/bin/ls", "-l", "/usr/", NULL};**

**printf("Before execve\n");**

**if (execve(argv[0], argv, NULL) == -1)**

**{**

**perror("Error:");**

**}**

**printf("After execve\n");**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ gcc -Wall -Wextra -Werror -pedantic exec.c -o exec**

**julien@ubuntu:~/c/shell$ ./exec**

**Before execve**

**total 120**

**drwxr-xr-x 2 root root 61440 Dec 4 00:08 bin**

**drwxr-xr-x 2 root root 4096 Jul 19 13:47 games**

**drwxr-xr-x 58 root root 4096 Oct 27 13:10 include**

**drwxr-xr-x 138 root root 4096 Dec 4 00:08 lib**

**drwxr-xr-x 3 root root 4096 Nov 10 09:54 lib32**

**drwxr-xr-x 3 root root 4096 Nov 10 09:54 libx32**

**drwxr-xr-x 10 root root 4096 Jul 19 13:42 local**

**drwxr-xr-x 3 root root 4096 Jul 19 13:48 locale**

**drwxr-xr-x 2 root root 12288 Dec 2 11:03 sbin**

**drwxr-xr-x 295 root root 12288 Jul 27 08:58 share**

**drwxr-xr-x 6 root root 4096 Dec 1 11:39 src**

**julien@ubuntu:~/c/shell$**

## Creating processes

**The system call fork (man 2 fork) creates a new child process, almost identical to the parent (the process that calls fork). Once fork successfully returns, two processes continue to run the same program, but with different stacks, datas and heaps.**

**julien@ubuntu:~/c/shell$ cat fork.c**

**#include <stdio.h>**

**#include <unistd.h>**

**/\*\***

**\* main - fork example**

**\***

**\* Return: Always 0.**

**\*/**

**int main(void)**

**{**

**pid\_t my\_pid;**

**pid\_t pid;**

**printf("Before fork\n");**

**pid = fork();**

**if (pid == -1)**

**{**

**perror("Error:");**

**return (1);**

**}**

**printf("After fork\n");**

**my\_pid = getpid();**

**printf("My pid is %u\n", my\_pid);**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ ./fork**

**Before fork**

**After fork**

**My pid is 4819**

**julien@ubuntu:~/c/shell$ After fork**

**My pid is 4820**

***Note: there is no typo in the above example***

**Using the return value of fork, it is possible to know if the current process is the father or the child: fork will return 0 to the child, and the PID of the child to the father.**

**julien@ubuntu:~/c/shell$ cat fork.c**

**#include <stdio.h>**

**#include <unistd.h>**

**/\*\***

**\* main - fork example**

**\***

**\* Return: Always 0.**

**\*/**

**int main(void)**

**{**

**pid\_t my\_pid;**

**pid\_t child\_pid;**

**child\_pid = fork();**

**if (child\_pid == -1)**

**{**

**perror("Error:");**

**return (1);**

**}**

**my\_pid = getpid();**

**printf("My pid is %u\n", my\_pid);**

**if (child\_pid == 0)**

**{**

**printf("(%u) Nooooooooo!\n", my\_pid);**

**}**

**else**

**{**

**printf("(%u) %u, I am your father\n", my\_pid, child\_pid);**

**}**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ gcc -Wall -Wextra -Werror -pedantic fork.c -o fork**

**julien@ubuntu:~/c/shell$ ./fork**

**My pid is 4869**

**(4869) 4870, I am your father**

**julien@ubuntu:~/c/shell$ My pid is 4870**

**(4870) Nooooooooo!**

## Wait

**The wait system call (man 2 wait) suspends execution of the calling process until one of its children terminates.**

**julien@ubuntu:~/c/shell$ cat wait.c**

**#include <stdio.h>**

**#include <unistd.h>**

**#include <sys/types.h>**

**#include <sys/wait.h>**

**/\*\***

**\* main - fork & wait example**

**\***

**\* Return: Always 0.**

**\*/**

**int main(void)**

**{**

**pid\_t child\_pid;**

**int status;**

**child\_pid = fork();**

**if (child\_pid == -1)**

**{**

**perror("Error:");**

**return (1);**

**}**

**if (child\_pid == 0)**

**{**

**printf("Wait for me, wait for me\n");**

**sleep(3);**

**}**

**else**

**{**

**wait(&status);**

**printf("Oh, it's all better now\n");**

**}**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ gcc -Wall -Wextra -Werror -pedantic wait.c -o wait**

**julien@ubuntu:~/c/shell$ ./wait**

**Wait for me, wait for me**

**Oh, it's all better now**

**julien@ubuntu:~/c/shell$**

## Exercise: fork + wait + execve

**Write a program that executes the command ls -l /tmp in 5 different child processes. Each child should be created by the same process (the father). Wait for a child to exit before creating a new child.**

## Exercise: super simple shell

**Using everything we saw, write a first version of a super simple shell that can run commands with their full path, without any argument.**

**julien@ubuntu:~/c/shell$ l**

**total 140**

**drwxrwxr-x 2 julien julien 4096 Dec 4 20:55 .**

**drwxrwxr-x 17 julien julien 4096 Dec 4 13:04 ..**

**-rw-rw-r-- 1 julien julien 249 Dec 4 13:15 env-environ.c**

**-rw-rw-r-- 1 julien julien 231 Dec 4 13:09 env-main.c**

**-rwxrwxr-x 1 julien julien 8768 Dec 4 19:52 exec**

**-rw-rw-r-- 1 julien julien 302 Dec 4 19:38 exec.c**

**-rwxrwxr-x 1 julien julien 8760 Dec 4 20:11 fork**

**-rw-rw-r-- 1 julien julien 438 Dec 4 19:57 fork.c**

**-rwxrwxr-x 1 julien julien 8656 Dec 4 13:45 mypid**

**-rw-rw-r-- 1 julien julien 179 Dec 4 19:49 pid.c**

**-rwxrwxr-x 1 julien julien 8656 Dec 4 13:48 ppid**

**-rw-rw-r-- 1 julien julien 180 Dec 4 13:48 ppid.c**

**-rwxrwxr-x 1 julien julien 8680 Dec 4 13:44 printenv**

**-rwxrwxr-x 1 julien julien 8760 Dec 4 14:38 prompt**

**-rwxrwxr-x 1 julien julien 8760 Dec 4 14:38 promptc**

**-rw-rw-r-- 1 julien julien 191 Dec 4 14:17 prompt.c**

**-rw-rw-r-- 1 julien julien 753 Dec 4 20:49 shell.c**

**-rwxrwxr-x 1 julien julien 8864 Dec 4 20:38 wait**

**-rw-rw-r-- 1 julien julien 441 Dec 4 20:15 wait.c**

**julien@ubuntu:~/c/shell$ gcc -Wall -Werror -pedantic shell.c -o shell**

**julien@ubuntu:~/c/shell$ ./shell**

**#cisfun$ /bin/ls**

**env-environ.c exec fork mypid ppid printenv promptc shell wait**

**env-main.c exec.c fork.c pid.c ppid.c prompt prompt.c shell.c wait.c**

**#cisfun$ ./ppid**

**5451**

**#cisfun$ ./ppid**

**5451**

**#cisfun$ ^C**

**julien@ubuntu:~/c/shell$**

## File information

**The stat (man 2 stat) system call gets the status of a file. On success, zero is returned. On error, -1 is returned.**

**julien@ubuntu:~/c/shell$ cat stat.c**

**#include <stdio.h>**

**#include <sys/types.h>**

**#include <sys/stat.h>**

**#include <unistd.h>**

**/\*\***

**\* main - stat example**

**\***

**\* Return: Always 0.**

**\*/**

**int main(int ac, char \*\*av)**

**{**

**unsigned int i;**

**struct stat st;**

**if (ac < 2)**

**{**

**printf("Usage: %s path\_to\_file ...\n", av[0]);**

**return (1);**

**}**

**i = 1;**

**while (av[i])**

**{**

**printf("%s:", av[i]);**

**if (stat(av[i], &st) == 0)**

**{**

**printf(" FOUND\n");**

**}**

**else**

**{**

**printf(" NOT FOUND\n");**

**}**

**i++;**

**}**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ ./stat ls /bin/ls /usr/bin/ls**

**ls: NOT FOUND**

**/bin/ls: FOUND**

**/usr/bin/ls: NOT FOUND**

**julien@ubuntu:~/c/shell$**

### Exercise: find a file in the PATH

**Write a program that looks for files in the current PATH.**

* **Usage: \_which filename ...**

## Environment

**We have seen earlier that the shell uses an environment list, where environment variables are “stored”. The list is an array of strings, with the following format: var=value, where var is the name of the variable and value its value. As a reminder, you can list the environment with the command printenv:**

**julien@ubuntu:~/c/shell$ printenv**

**XDG\_VTNR=7**

**XDG\_SESSION\_ID=c2**

**CLUTTER\_IM\_MODULE=xim**

**XDG\_GREETER\_DATA\_DIR=/var/lib/lightdm-data/julien**

**SESSION=ubuntu**

**GPG\_AGENT\_INFO=/home/julien/.gnupg/S.gpg-agent:0:1**

**TERM=xterm-256color**

**SHELL=/bin/bash**

**XDG\_MENU\_PREFIX=gnome-**

**VTE\_VERSION=4205**

**QT\_LINUX\_ACCESSIBILITY\_ALWAYS\_ON=1**

**WINDOWID=23068682**

**UPSTART\_SESSION=unix:abstract=/com/ubuntu/upstart-session/1000/1558**

**GNOME\_KEYRING\_CONTROL=**

**GTK\_MODULES=gail:atk-bridge:unity-gtk-module**

**USER=julien**

**LS\_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:\*.tar=01;31:\*.tgz=01;31:\*.arc=01;31:\*.arj=01;31:\*.taz=01;31:\*.lha=01;31:\*.lz4=01;31:\*.lzh=01;31:\*.lzma=01;31:\*.tlz=01;31:\*.txz=01;31:\*.tzo=01;31:\*.t7z=01;31:\*.zip=01;31:\*.z=01;31:\*.Z=01;31:\*.dz=01;31:\*.gz=01;31:\*.lrz=01;31:\*.lz=01;31:\*.lzo=01;31:\*.xz=01;31:\*.bz2=01;31:\*.bz=01;31:\*.tbz=01;31:\*.tbz2=01;31:\*.tz=01;31:\*.deb=01;31:\*.rpm=01;31:\*.jar=01;31:\*.war=01;31:\*.ear=01;31:\*.sar=01;31:\*.rar=01;31:\*.alz=01;31:\*.ace=01;31:\*.zoo=01;31:\*.cpio=01;31:\*.7z=01;31:\*.rz=01;31:\*.cab=01;31:\*.jpg=01;35:\*.jpeg=01;35:\*.gif=01;35:\*.bmp=01;35:\*.pbm=01;35:\*.pgm=01;35:\*.ppm=01;35:\*.tga=01;35:\*.xbm=01;35:\*.xpm=01;35:\*.tif=01;35:\*.tiff=01;35:\*.png=01;35:\*.svg=01;35:\*.svgz=01;35:\*.mng=01;35:\*.pcx=01;35:\*.mov=01;35:\*.mpg=01;35:\*.mpeg=01;35:\*.m2v=01;35:\*.mkv=01;35:\*.webm=01;35:\*.ogm=01;35:\*.mp4=01;35:\*.m4v=01;35:\*.mp4v=01;35:\*.vob=01;35:\*.qt=01;35:\*.nuv=01;35:\*.wmv=01;35:\*.asf=01;35:\*.rm=01;35:\*.rmvb=01;35:\*.flc=01;35:\*.avi=01;35:\*.fli=01;35:\*.flv=01;35:\*.gl=01;35:\*.dl=01;35:\*.xcf=01;35:\*.xwd=01;35:\*.yuv=01;35:\*.cgm=01;35:\*.emf=01;35:\*.ogv=01;35:\*.ogx=01;35:\*.aac=00;36:\*.au=00;36:\*.flac=00;36:\*.m4a=00;36:\*.mid=00;36:\*.midi=00;36:\*.mka=00;36:\*.mp3=00;36:\*.mpc=00;36:\*.ogg=00;36:\*.ra=00;36:\*.wav=00;36:\*.oga=00;36:\*.opus=00;36:\*.spx=00;36:\*.xspf=00;36:**

**QT\_ACCESSIBILITY=1**

**XDG\_SESSION\_PATH=/org/freedesktop/DisplayManager/Session0**

**XDG\_SEAT\_PATH=/org/freedesktop/DisplayManager/Seat0**

**SSH\_AUTH\_SOCK=/run/user/1000/keyring/ssh**

**SESSION\_MANAGER=local/ubuntu:@/tmp/.ICE-unix/1792,unix/ubuntu:/tmp/.ICE-unix/1792**

**DEFAULTS\_PATH=/usr/share/gconf/ubuntu.default.path**

**XDG\_CONFIG\_DIRS=/etc/xdg/xdg-ubuntu:/usr/share/upstart/xdg:/etc/xdg**

**PATH=/home/julien/bin:/home/julien/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin**

**DESKTOP\_SESSION=ubuntu**

**QT\_IM\_MODULE=ibus**

**QT\_QPA\_PLATFORMTHEME=appmenu-qt5**

**XDG\_SESSION\_TYPE=x11**

**JOB=dbus**

**PWD=/home/julien/c/shell\_course**

**XMODIFIERS=@im=ibus**

**GNOME\_KEYRING\_PID=**

**LANG=en\_US.UTF-8**

**GDM\_LANG=en\_US**

**MANDATORY\_PATH=/usr/share/gconf/ubuntu.mandatory.path**

**IM\_CONFIG\_PHASE=1**

**COMPIZ\_CONFIG\_PROFILE=ubuntu**

**GDMSESSION=ubuntu**

**SESSIONTYPE=gnome-session**

**GTK2\_MODULES=overlay-scrollbar**

**XDG\_SEAT=seat0**

**HOME=/home/julien**

**SHLVL=1**

**LANGUAGE=en\_US**

**GNOME\_DESKTOP\_SESSION\_ID=this-is-deprecated**

**XDG\_SESSION\_DESKTOP=ubuntu**

**LOGNAME=julien**

**QT4\_IM\_MODULE=xim**

**XDG\_DATA\_DIRS=/usr/share/ubuntu:/usr/share/gnome:/usr/local/share/:/usr/share/:/var/lib/snapd/desktop**

**DBUS\_SESSION\_BUS\_ADDRESS=unix:abstract=/tmp/dbus-jH9kfagEpM**

**LESSOPEN=| /usr/bin/lesspipe %s**

**INSTANCE=**

**XDG\_RUNTIME\_DIR=/run/user/1000**

**DISPLAY=:0**

**XDG\_CURRENT\_DESKTOP=Unity**

**GTK\_IM\_MODULE=ibus**

**LESSCLOSE=/usr/bin/lesspipe %s %s**

**XAUTHORITY=/home/julien/.Xauthority**

**OLDPWD=/home/julien/c**

**\_=/usr/bin/printenv**

**julien@ubuntu:~/c/shell$**

**Actually, every process comes with an environment. When a new process is created, it inherits a copy of its parent’s environment. To access the entire environment within a process, you have several options:**

* **via the main function**
* **via the global variable environ (man environ)**

### main

**So far we have seen that main could have different prototypes:**

* **int main(void);**
* **int main(int ac, char \*\*av);**

**There is actually another prototype:**

* **int main(int ac, char \*\*av, char \*\*env);**

**where env is a NULL terminated array of strings.**

**julien@ubuntu:~/c/shell$ cat env-main.c**

**#include <stdio.h>**

**/\*\***

**\* main - prints the environment**

**\***

**\* Return: Always 0.**

**\*/**

**int main(int ac, char \*\*av, char \*\*env)**

**{**

**unsigned int i;**

**i = 0;**

**while (env[i] != NULL)**

**{**

**printf("%s\n", env[i]);**

**i++;**

**}**

**return (0);**

**}**

**julien@ubuntu:~/c/shell$ gcc -Wall -Werror -pedantic env-main.c -o printenv && ./printenv**

**XDG\_VTNR=7**

**XDG\_SESSION\_ID=c2**

**CLUTTER\_IM\_MODULE=xim**

**XDG\_GREETER\_DATA\_DIR=/var/lib/lightdm-data/julien**

**SESSION=ubuntu**

**GPG\_AGENT\_INFO=/home/julien/.gnupg/S.gpg-agent:0:1**

**TERM=xterm-256color**

**SHELL=/bin/bash**

**XDG\_MENU\_PREFIX=gnome-**

**VTE\_VERSION=4205**

**QT\_LINUX\_ACCESSIBILITY\_ALWAYS\_ON=1**

**WINDOWID=23068682**

**UPSTART\_SESSION=unix:abstract=/com/ubuntu/upstart-session/1000/1558**

**GNOME\_KEYRING\_CONTROL=**

**GTK\_MODULES=gail:atk-bridge:unity-gtk-module**

**USER=julien**

**LS\_COLORS=rs=0:di=01;34:ln=01;36:mh=00:pi=40;33:so=01;35:do=01;35:bd=40;33;01:cd=40;33;01:or=40;31;01:mi=00:su=37;41:sg=30;43:ca=30;41:tw=30;42:ow=34;42:st=37;44:ex=01;32:\*.tar=01;31:\*.tgz=01;31:\*.arc=01;31:\*.arj=01;31:\*.taz=01;31:\*.lha=01;31:\*.lz4=01;31:\*.lzh=01;31:\*.lzma=01;31:\*.tlz=01;31:\*.txz=01;31:\*.tzo=01;31:\*.t7z=01;31:\*.zip=01;31:\*.z=01;31:\*.Z=01;31:\*.dz=01;31:\*.gz=01;31:\*.lrz=01;31:\*.lz=01;31:\*.lzo=01;31:\*.xz=01;31:\*.bz2=01;31:\*.bz=01;31:\*.tbz=01;31:\*.tbz2=01;31:\*.tz=01;31:\*.deb=01;31:\*.rpm=01;31:\*.jar=01;31:\*.war=01;31:\*.ear=01;31:\*.sar=01;31:\*.rar=01;31:\*.alz=01;31:\*.ace=01;31:\*.zoo=01;31:\*.cpio=01;31:\*.7z=01;31:\*.rz=01;31:\*.cab=01;31:\*.jpg=01;35:\*.jpeg=01;35:\*.gif=01;35:\*.bmp=01;35:\*.pbm=01;35:\*.pgm=01;35:\*.ppm=01;35:\*.tga=01;35:\*.xbm=01;35:\*.xpm=01;35:\*.tif=01;35:\*.tiff=01;35:\*.png=01;35:\*.svg=01;35:\*.svgz=01;35:\*.mng=01;35:\*.pcx=01;35:\*.mov=01;35:\*.mpg=01;35:\*.mpeg=01;35:\*.m2v=01;35:\*.mkv=01;35:\*.webm=01;35:\*.ogm=01;35:\*.mp4=01;35:\*.m4v=01;35:\*.mp4v=01;35:\*.vob=01;35:\*.qt=01;35:\*.nuv=01;35:\*.wmv=01;35:\*.asf=01;35:\*.rm=01;35:\*.rmvb=01;35:\*.flc=01;35:\*.avi=01;35:\*.fli=01;35:\*.flv=01;35:\*.gl=01;35:\*.dl=01;35:\*.xcf=01;35:\*.xwd=01;35:\*.yuv=01;35:\*.cgm=01;35:\*.emf=01;35:\*.ogv=01;35:\*.ogx=01;35:\*.aac=00;36:\*.au=00;36:\*.flac=00;36:\*.m4a=00;36:\*.mid=00;36:\*.midi=00;36:\*.mka=00;36:\*.mp3=00;36:\*.mpc=00;36:\*.ogg=00;36:\*.ra=00;36:\*.wav=00;36:\*.oga=00;36:\*.opus=00;36:\*.spx=00;36:\*.xspf=00;36:**

**QT\_ACCESSIBILITY=1**

**XDG\_SESSION\_PATH=/org/freedesktop/DisplayManager/Session0**

**XDG\_SEAT\_PATH=/org/freedesktop/DisplayManager/Seat0**

**SSH\_AUTH\_SOCK=/run/user/1000/keyring/ssh**

**SESSION\_MANAGER=local/ubuntu:@/tmp/.ICE-unix/1792,unix/ubuntu:/tmp/.ICE-unix/1792**

**DEFAULTS\_PATH=/usr/share/gconf/ubuntu.default.path**

**XDG\_CONFIG\_DIRS=/etc/xdg/xdg-ubuntu:/usr/share/upstart/xdg:/etc/xdg**

**PATH=/home/julien/bin:/home/julien/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin**

**DESKTOP\_SESSION=ubuntu**

**QT\_IM\_MODULE=ibus**

**QT\_QPA\_PLATFORMTHEME=appmenu-qt5**

**XDG\_SESSION\_TYPE=x11**

**JOB=dbus**

**PWD=/home/julien/c/shell**

**XMODIFIERS=@im=ibus**

**GNOME\_KEYRING\_PID=**

**LANG=en\_US.UTF-8**

**GDM\_LANG=en\_US**

**MANDATORY\_PATH=/usr/share/gconf/ubuntu.mandatory.path**

**IM\_CONFIG\_PHASE=1**

**COMPIZ\_CONFIG\_PROFILE=ubuntu**

**GDMSESSION=ubuntu**

**SESSIONTYPE=gnome-session**

**GTK2\_MODULES=overlay-scrollbar**

**XDG\_SEAT=seat0**

**HOME=/home/julien**

**SHLVL=1**

**LANGUAGE=en\_US**

**GNOME\_DESKTOP\_SESSION\_ID=this-is-deprecated**

**XDG\_SESSION\_DESKTOP=ubuntu**

**LOGNAME=julien**

**QT4\_IM\_MODULE=xim**

**XDG\_DATA\_DIRS=/usr/share/ubuntu:/usr/share/gnome:/usr/local/share/:/usr/share/:/var/lib/snapd/desktop**

**DBUS\_SESSION\_BUS\_ADDRESS=unix:abstract=/tmp/dbus-jH9kfagEpM**

**LESSOPEN=| /usr/bin/lesspipe %s**

**INSTANCE=**

**XDG\_RUNTIME\_DIR=/run/user/1000**

**DISPLAY=:0**

**XDG\_CURRENT\_DESKTOP=Unity**

**GTK\_IM\_MODULE=ibus**

**LESSCLOSE=/usr/bin/lesspipe %s %s**

**XAUTHORITY=/home/julien/.Xauthority**

**OLDPWD=/home/julien/c**

**\_=./printenv**

**julien@ubuntu:~/c/shell$**

### Exercises

#### 0. printenv with environ

**Write a program that prints the environment using the global variable environ.**

#### 1. env vs environ

**Write a program that prints the address of env (the third parameter of the main function) and environ (the global variable). Are they they same? Does this make sense?**

#### 2. getenv()

**Write a function that gets an environment variable. (without using getenv)**

* **Prototype: char \*\_getenv(const char \*name);**

**man 3 getenv**

#### 3. PATH

**Write a function that prints each directory contained in the the environment variable PATH, one directory per line.**

#### 4. PATH

**Write a function that builds a linked list of the PATH directories.**

#### 5. setenv

**Write a function that changes or adds an environment variable (without using setenv).**

* **Prototype: int \_setenv(const char \*name, const char \*value, int overwrite);**

**man 3 setenv**

#### 6. unsetenv

**Write a function that deletes the variable name from the environment (without using unsetenv).**

* **Prototype: int \_unsetenv(const char \*name);**

**man 3 unsetenv**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

## Resources

**Read or watch:**

* [**Unix shell**](https://intranet.alxswe.com/rltoken/f0YU9TAhniMXWlSXtb64Yw)
* [**Thompson shell**](https://intranet.alxswe.com/rltoken/7LJOp2qP7qHUcsOK2-F3qA)
* [**Ken Thompson**](https://intranet.alxswe.com/rltoken/wTSu31ZP1f7fFTJFgRQC7w)
* **Everything you need to know to start coding your own shell concept page**

**man or help:**

* **sh (*Run sh as well*)**

## Learning Objectives

**At the end of this project, you are expected to be able to** [**explain to anyone**](https://intranet.alxswe.com/rltoken/9LNz86CtOTos9oL3zxIO3A)**, without the help of Google:**

### General

* **Who designed and implemented the original Unix operating system**
* **Who wrote the first version of the UNIX shell**
* **Who invented the B programming language (the direct predecessor to the C programming language)**
* **Who is Ken Thompson**
* **How does a shell work**
* **What is a pid and a ppid**
* **How to manipulate the environment of the current process**
* **What is the difference between a function and a system call**
* **How to create processes**
* **What are the three prototypes of main**
* **How does the shell use the PATH to find the programs**
* **How to execute another program with the execve system call**
* **How to suspend the execution of a process until one of its children terminates**
* **What is EOF / “end-of-file”?**

### Copyright - Plagiarism

* **You are tasked to come up with solutions for the tasks below yourself to meet with the above learning objectives.**
* **You will not be able to meet the objectives of this or any following project by copying and pasting someone else’s work.**
* **You are not allowed to publish any content of this project.**
* **Any form of plagiarism is strictly forbidden and will result in removal from the program.**

## Requirements

### General

* **Allowed editors: vi, vim, emacs**
* **All your files will be compiled on Ubuntu 20.04 LTS using gcc, using the options -Wall -Werror -Wextra -pedantic -std=gnu89**
* **All your files should end with a new line**
* **A README.md file, at the root of the folder of the project is mandatory**
* **Your code should use the Betty style. It will be checked using** [**betty-style.pl**](https://github.com/alx-tools/Betty/blob/master/betty-style.pl) **and** [**betty-doc.pl**](https://github.com/alx-tools/Betty/blob/master/betty-doc.pl)
* **Your shell should not have any memory leaks**
* **No more than 5 functions per file**
* **All your header files should be include guarded**
* **Use system calls only when you need to (**[**why?**](https://intranet.alxswe.com/rltoken/EU7B1PTSy14INnZEShpobQ)**)**
* **Write a README with the description of your project**
* **You should have an AUTHORS file at the root of your repository, listing all individuals having contributed content to the repository. Format, see** [**Docker**](https://intranet.alxswe.com/rltoken/UL8J3kgl7HBK_Z9iBL3JFg)

### GitHub

**\**There should be one project repository per group. If you and your partner have a repository with the same name in both your accounts, you risk a 0% score. Add your partner as a collaborator. \****

## More Info

### Output

* **Unless specified otherwise, your program must have the exact same output as sh (/bin/sh) as well as the exact same error output.**
* **The only difference is when you print an error, the name of the program must be equivalent to your argv[0] (See below)**

**Example of error with sh:**

**$ echo "qwerty" | /bin/sh**

**/bin/sh: 1: qwerty: not found**

**$ echo "qwerty" | /bin/../bin/sh**

**/bin/../bin/sh: 1: qwerty: not found**

**$**

**Same error with your program hsh:**

**$ echo "qwerty" | ./hsh**

**./hsh: 1: qwerty: not found**

**$ echo "qwerty" | ./././hsh**

**./././hsh: 1: qwerty: not found**

**$**

### List of allowed functions and system calls

* **access (man 2 access)**
* **chdir (man 2 chdir)**
* **close (man 2 close)**
* **closedir (man 3 closedir)**
* **execve (man 2 execve)**
* **exit (man 3 exit)**
* **\_exit (man 2 \_exit)**
* **fflush (man 3 fflush)**
* **fork (man 2 fork)**
* **free (man 3 free)**
* **getcwd (man 3 getcwd)**
* **getline (man 3 getline)**
* **getpid (man 2 getpid)**
* **isatty (man 3 isatty)**
* **kill (man 2 kill)**
* **malloc (man 3 malloc)**
* **open (man 2 open)**
* **opendir (man 3 opendir)**
* **perror (man 3 perror)**
* **read (man 2 read)**
* **readdir (man 3 readdir)**
* **signal (man 2 signal)**
* **stat (\_\_xstat) (man 2 stat)**
* **lstat (\_\_lxstat) (man 2 lstat)**
* **fstat (\_\_fxstat) (man 2 fstat)**
* **strtok (man 3 strtok)**
* **wait (man 2 wait)**
* **waitpid (man 2 waitpid)**
* **wait3 (man 2 wait3)**
* **wait4 (man 2 wait4)**
* **write (man 2 write)**

### Compilation

**Your shell will be compiled this way:**

**gcc -Wall -Werror -Wextra -pedantic -std=gnu89 \*.c -o hsh**

### Testing

**Your shell should work like this in interactive mode:**

**$ ./hsh**

**($) /bin/ls**

**hsh main.c shell.c**

**($)**

**($) exit**

**$**

**But also in non-interactive mode:**

**$ echo "/bin/ls" | ./hsh**

**hsh main.c shell.c test\_ls\_2**

**$**

**$ cat test\_ls\_2**

**/bin/ls**

**/bin/ls**

**$**

**$ cat test\_ls\_2 | ./hsh**

**hsh main.c shell.c test\_ls\_2**

**hsh main.c shell.c test\_ls\_2**

**$**

### Checks

**The Checker will be released at the end of the project (1-2 days before the deadline). We strongly encourage the entire class to work together to create a suite of checks covering both regular tests and edge cases for each task. See task 8. Test suite.**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

## Tasks

### TASK 0

### 0. Betty would be proud

**mandatory**

**Score: 100.0% (*Checks completed: 100.0%*)**

**Write a beautiful code that passes the Betty checks**

**Repo:**

* **GitHub repository: simple\_shell**

**qw review**

* **Readme present**
* **Betty coding style  
  Score: 5 out of 5 points**
* **Betty style documentation  
  Score: 5 out of 5 points**

**TASK 1**

### 1. Simple shell 0.1

**mandatory**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Write a UNIX command line interpreter.**

* **Usage: simple\_shell**

**Your Shell should:**

* **Display a prompt and wait for the user to type a command. A command line always ends with a new line.**
* **The prompt is displayed again each time a command has been executed.**
* **The command lines are simple, no semicolons, no pipes, no redirections or any other advanced features.**
* **The command lines are made only of one word. No arguments will be passed to programs.**
* **If an executable cannot be found, print an error message and display the prompt again.**
* **Handle errors.**
* **You have to handle the “end of file” condition (Ctrl+D)**

**You don’t have to:**

* **use the PATH**
* **implement built-ins**
* **handle special characters : ", ', `, \, \*, &, #**
* **be able to move the cursor**
* **handle commands with arguments**

***execve will be the core part of your Shell, don’t forget to pass the environ to it…***

**julien@ubuntu:~/shell$ ./shell**

**#cisfun$ ls**

**./shell: No such file or directory**

**#cisfun$ /bin/ls**

**barbie\_j env-main.c exec.c fork.c pid.c ppid.c prompt prompt.c shell.c stat.c wait**

**env-environ.c exec fork mypid ppid printenv promptc shell stat test\_scripting.sh wait.c**

**#cisfun$ /bin/ls -l**

**./shell: No such file or directory**

**#cisfun$ ^[[D^[[D^[[D**

**./shell: No such file or directory**

**#cisfun$ ^[[C^[[C^[[C^[[C**

**./shell: No such file or directory**

**#cisfun$ exit**

**./shell: No such file or directory**

**#cisfun$ ^C**

**julien@ubuntu:~/shell$ echo "/bin/ls" | ./shell**

**barbie\_j env-main.c exec.c fork.c pid.c ppid.c prompt prompt.c shell.c stat.c wait**

**env-environ.c exec fork mypid ppid printenv promptc shell stat test\_scripting.sh wait.c**

**#cisfun$ julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW REVIEW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=6fee06e06bb7  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==85== Memcheck, a memory error detector  
  ==85== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==85== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==85== Command: ./hsh  
  ==85== Parent PID: 82  
  ==85==   
  ==86==   
  ==86== HEAP SUMMARY:  
  ==86== in use at exit: 120 bytes in 1 blocks  
  ==86== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocate... - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=6fee06e06bb7  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==242== Memcheck, a memory error detector  
  ==242== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==242== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==242== Command: ./hsh  
  ==242== Parent PID: 239  
  ==242==   
  ==243==   
  ==243== HEAP SUMMARY:  
  ==243== in use at exit: 120 bytes in 1 blocks  
  ==243== total heap usag... [Diff had to be removed because it was too long]**

**Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4724d0688ae20838bb26e9411be6bbd35a414742c9c883b0d27260ea3755c225)

**Full error (available only 10days) :** [**235\_1034\_19755\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19755_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=b0c583b036b5bd524b701a1470f3dfac6f7ef3addcfd4e52557e0571c0cb9522)**,** [**235\_1034\_19755\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19755_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=b0c583b036b5bd524b701a1470f3dfac6f7ef3addcfd4e52557e0571c0cb9522)

**2-**

**Correct output - case: Execute /bin/ls 3 times**

**Score: 0 out of 1 points**

**Reason:**

**- - (command)[echo "/bin/ls  
/bin/ls  
/bin/ls" | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found**

**](Length: 55)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
](Length: 519)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=C  
SHLVL=2  
LC\_ALL=C  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/... - (command)[echo "/bin/ls  
/bin/ls  
/bin/ls" | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found**

**](Length: 55)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
](Length: 519)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/... [Diff had to be removed because it was too long]**

**Correct output - case: Execute /bin/ls 3 times**

**Score: 0 out of 1 points**

**Reason:**

**- - (command)[echo "/bin/ls  
/bin/ls  
/bin/ls" | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found**

**](Length: 55)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
](Length: 519)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=C  
SHLVL=2  
LC\_ALL=C  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/... - (command)[echo "/bin/ls  
/bin/ls  
/bin/ls" | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found**

**](Length: 55)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_3\_times.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
](Length: 519)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/... [Diff had to be removed because it was too long]**

**3-**

**Correct output - case: Execute /bin/ls 4 times (surrounded by spaces)**

**Score: 0 out of 1 points**

**Reason:**

**- - (command)[echo "/bin/ls  
 /bin/ls  
/bin/ls  
 /bin/ls " | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found  
Command not found**

**](Length: 73)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
AUTHORS  
README.md  
\_simple\_shell.c  
allowed\_functions  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
shell.h  
shell.h~  
](Length: 688)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PW... - (command)[echo "/bin/ls  
 /bin/ls  
/bin/ls  
 /bin/ls " | ./hsh]**

**[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found  
Command not found**

**](Length: 73)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[allowed\_functions  
AUTHORS  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
allowed\_functions  
AUTHORS  
bin\_ls\_spaces.bash  
checker.bash  
execute\_command.c  
find\_command\_in\_path.c  
handle\_builtin\_commands.c  
hsh  
README.md  
shell.h  
shell.h~  
\_simple\_shell.c  
](Length: 688)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=... [Diff had to be removed because it was too long]**

**Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**bin\_ls\_spaces.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_spaces.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e3194807fb4d5112d572a0930a8357d1467590741cfacb50e60fcf5d47abaad0)

**Full error (available only 10days) :** [**235\_1034\_19757\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19757_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8b9c49806539cbe8b55452c7dba1e19aba004a57b1e447f578afd56410428e29)**,** [**235\_1034\_19757\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19757_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8b9c49806539cbe8b55452c7dba1e19aba004a57b1e447f578afd56410428e29)

**3-**

**Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the current directory) and execute ./hbtn\_ls /var**

**Score: 0 out of 1 points**

**Reason:**

**- - (command)[echo "./hbtn\_ls /var" | ./hsh]**

**[GOT]:  
(stdout)[Command not found**

**](Length: 19)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[backups  
cache  
lib  
local  
lock  
log  
mail  
opt  
run  
spool  
tmp  
](Length: 56)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=C  
SHLVL=2  
LC\_ALL=C  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==1076== Memcheck, a memory error detector  
==1076== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==1076== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==1076== Command: ./hsh  
==1076== Parent PID: 1073  
==1076==   
==1077==   
==1077== HEAP SUMMARY:  
==1077== in use at exit: 120 bytes in 1 blocks  
==1077== total heap usage: 9 allocs, 8 frees, 4,428 bytes allocated  
==1077==   
==1077== LEAK SUMMARY:  
==1077== definitely lost: 0 bytes in 0 bloc... - (command)[echo "./hbtn\_ls /var" | ./hsh]**

**[GOT]:  
(stdout)[Command not found**

**](Length: 19)  
(stderr)[](Length: 0)  
(status)[0]**

**[EXPECTED]:  
(stdout)[backups  
cache  
lib  
local  
lock  
log  
mail  
opt  
run  
spool  
tmp  
](Length: 56)  
(stderr)[](Length: 0)  
(status)[0]**

**Environment:  
HOSTNAME=6fee06e06bb7  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==1235== Memcheck, a memory error detector  
==1235== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==1235== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==1235== Command: ./hsh  
==1235== Parent PID: 1232  
==1235==   
==1236==   
==1236== HEAP SUMMARY:  
==1236== in use at exit: 120 bytes in 1 blocks  
==1236== total heap usage: 9 allocs, 8 frees, 4,428 bytes allocated  
==1236==   
==1236== LEAK SUMMARY:  
==1236== def... [Diff had to be removed because it was too long]**

**Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**ls\_in\_current\_dir.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_current_dir.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=053fc2709b2d8f5929c57c57377e1cce77aca048096beec72623f4ddbd012693)

**Full error (available only 10days) :** [**235\_1034\_19758\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19758_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4da387e157d20983bfbb47ece7bcaa5e331dd972c8577f5909601a480d3cf0f0)**,** [**235\_1034\_19758\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19758_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4da387e157d20983bfbb47ece7bcaa5e331dd972c8577f5909601a480d3cf0f0)

* **Correct output - case: Spaces only (small)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo " " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=6fee06e06bb7  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1399== Memcheck, a memory error detector  
  ==1399== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1399== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1399== Command: ./hsh  
  ==1399== Parent PID: 1396  
  ==1399==   
  ==1400==   
  ==1400== HEAP SUMMARY:  
  ==1400== in use at exit: 120 bytes in 1 blocks  
  ==1400== total heap usage: 9 allocs, 8 frees, 4,440 bytes allocated  
  ==1400==   
  ==1400== LEAK SUMMARY:  
  ==1400== definitely lost: 0 bytes in 0 blocks  
  ==1400== indirectly lost: 0 bytes in 0 blocks  
  ==1... - (command)[echo " " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=6fee06e06bb7  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8337879030655291054651751957536842380587\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1555== Memcheck, a memory error detector  
  ==1555== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1555== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1555== Command: ./hsh  
  ==1555== Parent PID: 1552  
  ==1555==   
  ==1556==   
  ==1556== HEAP SUMMARY:  
  ==1556== in use at exit: 120 bytes in 1 blocks  
  ==1556== total heap usage: 9 allocs, 8 frees, 4,440 bytes allocated  
  ==1556==   
  ==1556== LEAK SUMMARY:  
  ==1556== definitely lost: 0 bytes in 0 blocks  
  ==1556== indirectl... [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**empty\_input\_small.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/empty/empty_input_small.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=83ce8edc752ab71a26e23741747cf27e018ef1523b04c625a3ed7508c174350d)**Full error (available only 10days) :** [**235\_1034\_19759\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19759_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=693f4ee39b56ee06d557ed08322ef8fd46ae47bbd017e3ef099943dbbd967f53)**,** [**235\_1034\_19759\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19759_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=693f4ee39b56ee06d557ed08322ef8fd46ae47bbd017e3ef099943dbbd967f53)
* **Correct output - case: Spaces only (large)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo " ... - (command)[echo " ... [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**empty\_input\_large.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/empty/empty_input_large.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0d3adaed17fccad8c064130c9cf47871fe5e1235fe114d50f798cc390e79ed05)**Full error (available only 10days) :** [**235\_1034\_19760\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19760_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2e9f61fe9d68ef7e18450d36023781a55e8f3de7c6bacb0abdf680c7b0347574)**,** [**235\_1034\_19760\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19760_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2e9f61fe9d68ef7e18450d36023781a55e8f3de7c6bacb0abdf680c7b0347574)
* **Correct output - case: Spaces only (medium)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo " ... - (command)[echo " ... [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f36d1230236288c1b8a22b58e6b1c53d7bba4c89b542f397b84969fe5beed3c3)**,** [**empty\_input\_medium.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/empty/empty_input_medium.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=323241272e549202a6d1dfdc17b30e37579fb31bd50435db0419384e165bcdcb)**Full error (available only 10days) :** [**235\_1034\_19761\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19761_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9151d0a327090ddc230af849078a4cf8939409bb0858f1a8f73437d1170a1280)**,** [**235\_1034\_19761\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1034_19761_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T083434Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9151d0a327090ddc230af849078a4cf8939409bb0858f1a8f73437d1170a1280)

**TASK 2**

### 2. Simple shell 0.2

**mandatory**

**Score: 33.33% (*Checks completed: 33.33%*)**

**Simple shell 0.1 +**

* **Handle command lines with arguments**

**Repo:**

* **GitHub repository: simple\_shell**

**QW REVIEW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute /bin/ls -l  
  Score: 1 out of 1 points  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59c4736a2b585e4c9c470d40dfb4cc427650eb9aaa4fda02fe47da8bea0bd309)**,** [**bin\_ls\_1\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_1_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=069a4187bef480f5e0aa35e52dc9106d5f5b4eef3369202394df7619ce5b1354)**Full error (available only 10days) :** [**235\_1036\_19769\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1036_19769_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a2f19b530c35bef0a9a90a183aca6399c56a29531a435c393fa510dc889b7e3e)
* **Correct output - case: Execute /bin/ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=24e4ec658f15  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/1399799534241516316137864934750631303204\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==404== Memcheck, a memory error detector  
  ==404== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==404== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==404== Command: ./hsh  
  ==404== Parent PID: 401  
  ==404==   
  ==405==   
  ==405== HEAP SUMMARY:  
  ==405== in use at exit: 120 bytes in 1 blocks  
  ==405== total heap usage: 9 allocs, 8 frees, 4,416 bytes allocated  
  ==405==   
  ==405== LEAK SUMMARY:  
  ==405== definitely lost: 0 bytes in 0 blocks  
  ==405== in... - (command)[echo "/bin/ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=24e4ec658f15  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/1399799534241516316137864934750631303204\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==561== Memcheck, a memory error detector  
  ==561== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==561== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==561== Command: ./hsh  
  ==561== Parent PID: 558  
  ==561==   
  ==562==   
  ==562== HEAP SUMMARY:  
  ==562== in use at exit: 120 bytes in 1 blocks  
  ==562== total heap usage: 9 allocs, 8 frees, 4,416 bytes allocated  
  ==562==   
  ==562== LEAK SUMMARY:  
  ==562== definitely lost: 0 ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59c4736a2b585e4c9c470d40dfb4cc427650eb9aaa4fda02fe47da8bea0bd309)**,** [**bin\_ls\_1\_arg\_1.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_1_arg_1.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=727329d1fe5112b1b793792837356d5ab9c55f8f0c487e86c4f80a4133421ddc)**Full error (available only 10days) :** [**235\_1036\_19770\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1036_19770_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=aa330c72d9a47f42e2f9118adac12e253a614a7d9989d9775d3eac9f7bf2e445)**,** [**235\_1036\_19770\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1036_19770_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=aa330c72d9a47f42e2f9118adac12e253a614a7d9989d9775d3eac9f7bf2e445)
* **Correct output - case: Echo the string Holberton  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/echo Holberton" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[Holberton  
  ](Length: 10)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=24e4ec658f15  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/1399799534241516316137864934750631303204\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==724== Memcheck, a memory error detector  
  ==724== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==724== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==724== Command: ./hsh  
  ==724== Parent PID: 721  
  ==724==   
  ==725==   
  ==725== HEAP SUMMARY:  
  ==725== in use at exit: 120 bytes in 1 blocks  
  ==725== total heap usage: 9 allocs, 8 frees, 4,458 bytes allocated  
  ==725==   
  ==725== LEAK SUMMARY:  
  ==725== definitely lost: 0 bytes in 0 blocks  
  ==725== indirectly lost: 0 by... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59c4736a2b585e4c9c470d40dfb4cc427650eb9aaa4fda02fe47da8bea0bd309)**,** [**echo\_1\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/echo/echo_1_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=09af3fd56b2fd4ec1f3f4d61b5b1da39d54403a127c897d67cf757135e495c87)**Full error (available only 10days) :** [**235\_1036\_19771\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1036_19771_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084645Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=b5fc9098d8307635c97f9ed6e6bccb66162cd030eb99f98bf92efa896ef5f73c)

**TASK 3**

### 3. Simple shell 0.3

**mandatory**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 0.2 +**

* **Handle the PATH**
* **fork must not be called if the command doesn’t exist**

**julien@ubuntu:~/shell$ ./shell\_0.3**

**:) /bin/ls**

**barbie\_j env-main.c exec.c fork.c pid.c ppid.c prompt prompt.c shell\_0.3 stat test\_scripting.sh wait.c**

**env-environ.c exec fork mypid ppid printenv promptc shell shell.c stat.c wait**

**:) ls**

**barbie\_j env-main.c exec.c fork.c pid.c ppid.c prompt prompt.c shell\_0.3 stat test\_scripting.sh wait.c**

**env-environ.c exec fork mypid ppid printenv promptc shell shell.c stat.c wait**

**:) ls -l /tmp**

**total 20**

**-rw------- 1 julien julien 0 Dec 5 12:09 config-err-aAMZrR**

**drwx------ 3 root root 4096 Dec 5 12:09 systemd-private-062a0eca7f2a44349733e78cb4abdff4-colord.service-V7DUzr**

**drwx------ 3 root root 4096 Dec 5 12:09 systemd-private-062a0eca7f2a44349733e78cb4abdff4-rtkit-daemon.service-ANGvoV**

**drwx------ 3 root root 4096 Dec 5 12:07 systemd-private-062a0eca7f2a44349733e78cb4abdff4-systemd-timesyncd.service-CdXUtH**

**-rw-rw-r-- 1 julien julien 0 Dec 5 12:09 unity\_support\_test.0**

**:) ^C**

**julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW REVIEW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_.bash  
  shell.h  
  shell.h~  
  ](Length: 163)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_.bash  
  shell.h  
  shell.h~  
  ](Length: 162)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
   - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 163)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 162)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9fc0b1cfdb2d4c0f0f7a174e704d67d545721c9cc6536c4db61eede24224f77b)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the parent’s parent directory) and execute ./.././../hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "./.././../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==399== Memcheck, a memory error detector  
  ==399== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==399== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==399== Command: ./hsh  
  ==399== Parent PID: 396  
  ==399==   
  ==400==   
  ==400== HEAP SUMMARY:  
  ==400== in use at exit: 120 bytes in 1 blocks  
  ==400== total heap usage: 9 allocs, 8 frees, 4,476 bytes allocated  
  ==400==   
  ==400== LEAK SUMMARY:  
  ==400== definitely lost: 0 bytes in 0 blocks  
  ==4... - (command)[echo "./.././../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==558== Memcheck, a memory error detector  
  ==558== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==558== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==558== Command: ./hsh  
  ==558== Parent PID: 555  
  ==558==   
  ==559==   
  ==559== HEAP SUMMARY:  
  ==559== in use at exit: 120 bytes in 1 blocks  
  ==559== total heap usage: 9 allocs, 8 frees, 4,476 bytes allocated  
  ==559==   
  ==559== LEAK SUMMARY:  
  ==559== definitel... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_in\_two\_parent\_dir\_2.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_two_parent_dir_2.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=127ebb8e1bdbce55bb4f7f953de9164c58ee1aa810d39903afcd4152949d94bf)**Full error (available only 10days) :** [**235\_1038\_19896\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19896_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4505216b60f55ab78183f4de0c1b2f77abc4d5ab1ec68afe3e806b5a0e03c0a0)**,** [**235\_1038\_19896\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19896_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4505216b60f55ab78183f4de0c1b2f77abc4d5ab1ec68afe3e806b5a0e03c0a0)
* **Correct output - case: Execute ls -l  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls -l" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[total 76  
  -rw-r--r-- 1 996 992 125 Oct 18 21:19 AUTHORS  
  -rw-r--r-- 1 996 992 16 Oct 18 21:19 README.md  
  -rw-r--r-- 1 996 992 670 Oct 18 21:19 \_simple\_shell.c  
  -rw-r--r-- 1 996 992 376 Oct 18 20:30 allowed\_functions  
  -rwxr-xr-x 1 996 992 13315 Oct 18 20:30 checker.bash  
  -rw-r--r-- 1 996 992 846 Oct 18 21:19 execute\_command.c  
  -rw-r--r-- 1 996 992 631 Oct 18 21:19 find\_command\_in\_path.c  
  -rw-r--r-- 1 996 992 507 Oct 18 21:19 handle\_builtin\_commands.c  
  -rwxr-xr-x 1 root root 17952 Oct 18 21:19 hsh  
  -rw-r--r-- 1 996 992 3038 Oct 18 20:30 ls\_1\_arg.bash  
  -rw-r--r-- 1 996 992 370 Oct 18 21:19 shell.h  
  -rw-r--r-- 1 996 992 256 Oct 18 21:19 shell.h~  
  ](Length: 680)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/... - (command)[echo "ls -l" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[total 76  
  -rw-r--r-- 1 996 992 376 Oct 18 20:30 allowed\_functions  
  -rw-r--r-- 1 996 992 125 Oct 18 21:19 AUTHORS  
  -rwxr-xr-x 1 996 992 13315 Oct 18 20:30 checker.bash  
  -rw-r--r-- 1 996 992 846 Oct 18 21:19 execute\_command.c  
  -rw-r--r-- 1 996 992 631 Oct 18 21:19 find\_command\_in\_path.c  
  -rw-r--r-- 1 996 992 507 Oct 18 21:19 handle\_builtin\_commands.c  
  -rwxr-xr-x 1 root root 17952 Oct 18 21:19 hsh  
  -rw-r--r-- 1 996 992 3038 Oct 18 20:30 ls\_1\_arg.bash  
  -rw-r--r-- 1 996 992 16 Oct 18 21:19 README.md  
  -rw-r--r-- 1 996 992 370 Oct 18 21:19 shell.h  
  -rw-r--r-- 1 996 992 256 Oct 18 21:19 shell.h~  
  -rw-r--r-- 1 996 992 670 Oct 18 21:19 \_simple\_shell.c  
  ](Length: 680)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Ang... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_1\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_1_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4c7b06afa1c9cf95449e0f5ac742b2e4d55a5ad453a61f6946cc3165604db396)**Full error (available only 10days) :** [**235\_1038\_19897\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19897_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4e294c0e3d89dbc4b8a02a64f323242b35ba26a089a3c61368d4bf7ae312ac00)**,** [**235\_1038\_19897\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19897_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4e294c0e3d89dbc4b8a02a64f323242b35ba26a089a3c61368d4bf7ae312ac00)
* **Correct output - case: Execute /bin/ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1042== Memcheck, a memory error detector  
  ==1042== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1042== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1042== Command: ./hsh  
  ==1042== Parent PID: 1039  
  ==1042==   
  ==1043==   
  ==1043== HEAP SUMMARY:  
  ==1043== in use at exit: 120 bytes in 1 blocks  
  ==1043== total heap usage: 9 allocs, 8 frees, 4,416 bytes allocated  
  ==1043==   
  ==1043== LEAK SUMMARY:  
  ==1043== definitely lost: 0 bytes in 0 blocks... - (command)[echo "/bin/ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1199== Memcheck, a memory error detector  
  ==1199== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1199== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1199== Command: ./hsh  
  ==1199== Parent PID: 1196  
  ==1199==   
  ==1200==   
  ==1200== HEAP SUMMARY:  
  ==1200== in use at exit: 120 bytes in 1 blocks  
  ==1200== total heap usage: 9 allocs, 8 frees, 4,416 bytes allocated  
  ==1200==   
  ==1200== LEAK SUMMARY:  
  ==1200== defin... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_1\_arg\_1.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_1_arg_1.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=62e35909a2af7943c7d8713d9f9b1d31ea6ae6b1c7601755e7e4177313e3633f)**Full error (available only 10days) :** [**235\_1038\_19898\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19898_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=abf4bd5a9b44460cfca282e1c8c5d268798fb7a9fd2e6ebb70549f3661aecf36)**,** [**235\_1038\_19898\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19898_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=abf4bd5a9b44460cfca282e1c8c5d268798fb7a9fd2e6ebb70549f3661aecf36)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the parent directory) and execute ../hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1363== Memcheck, a memory error detector  
  ==1363== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1363== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1363== Command: ./hsh  
  ==1363== Parent PID: 1360  
  ==1363==   
  ==1364==   
  ==1364== HEAP SUMMARY:  
  ==1364== in use at exit: 120 bytes in 1 blocks  
  ==1364== total heap usage: 9 allocs, 8 frees, 4,434 bytes allocated  
  ==1364==   
  ==1364== LEAK SUMMARY:  
  ==1364== definitely lost: 0 bytes in 0 blo... - (command)[echo "../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1522== Memcheck, a memory error detector  
  ==1522== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1522== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1522== Command: ./hsh  
  ==1522== Parent PID: 1519  
  ==1522==   
  ==1523==   
  ==1523== HEAP SUMMARY:  
  ==1523== in use at exit: 120 bytes in 1 blocks  
  ==1523== total heap usage: 9 allocs, 8 frees, 4,434 bytes allocated  
  ==1523==   
  ==1523== LEAK SUMMARY:  
  ==1523== de... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_in\_parent\_dir.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_parent_dir.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=50f691e3c5491363d816a289cc7380550e44ffdf9f84a73be5c6463236a7acc8)**Full error (available only 10days) :** [**235\_1038\_19899\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19899_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8fec75f03912594c924a22bc6aff8c71f8fc995721ed52e27dd29fff70502570)**,** [**235\_1038\_19899\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19899_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8fec75f03912594c924a22bc6aff8c71f8fc995721ed52e27dd29fff70502570)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the parent’s parent directory) and execute ../../hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "../../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1687== Memcheck, a memory error detector  
  ==1687== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1687== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1687== Command: ./hsh  
  ==1687== Parent PID: 1684  
  ==1687==   
  ==1688==   
  ==1688== HEAP SUMMARY:  
  ==1688== in use at exit: 120 bytes in 1 blocks  
  ==1688== total heap usage: 9 allocs, 8 frees, 4,452 bytes allocated  
  ==1688==   
  ==1688== LEAK SUMMARY:  
  ==1688== definitely lost: 0 bytes in 0 ... - (command)[echo "../../hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1846== Memcheck, a memory error detector  
  ==1846== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1846== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1846== Command: ./hsh  
  ==1846== Parent PID: 1843  
  ==1846==   
  ==1847==   
  ==1847== HEAP SUMMARY:  
  ==1847== in use at exit: 120 bytes in 1 blocks  
  ==1847== total heap usage: 9 allocs, 8 frees, 4,452 bytes allocated  
  ==1847==   
  ==1847== LEAK SUMMARY:  
  ==1847== ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_in\_two\_parent\_dir.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_two_parent_dir.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e947391e48a21a7acab45360b033fa639565e8b47669bdfa2dfa923787b1dd63)**Full error (available only 10days) :** [**235\_1038\_19900\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19900_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c97d2d63c73059268eea3461eae5072fd878d72465cf090241f7e3f2bb9ab373)**,** [**235\_1038\_19900\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19900_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c97d2d63c73059268eea3461eae5072fd878d72465cf090241f7e3f2bb9ab373)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the parent’s parent directory) and execute ./.././../////././hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "./.././../////././hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2011== Memcheck, a memory error detector  
  ==2011== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2011== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2011== Command: ./hsh  
  ==2011== Parent PID: 2008  
  ==2011==   
  ==2012==   
  ==2012== HEAP SUMMARY:  
  ==2012== in use at exit: 120 bytes in 1 blocks  
  ==2012== total heap usage: 9 allocs, 8 frees, 4,524 bytes allocated  
  ==2012==   
  ==2012== LEAK SUMMARY:  
  ==2012== definitely lost: 0... - (command)[echo "./.././../////././hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2170== Memcheck, a memory error detector  
  ==2170== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2170== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2170== Command: ./hsh  
  ==2170== Parent PID: 2167  
  ==2170==   
  ==2171==   
  ==2171== HEAP SUMMARY:  
  ==2171== in use at exit: 120 bytes in 1 blocks  
  ==2171== total heap usage: 9 allocs, 8 frees, 4,524 bytes allocated  
  ==2171==   
  ==2171== LEAK SUMMARY:... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_in\_two\_parent\_dir\_3.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_two_parent_dir_3.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=df332732848c2a69af75d5d0968958015a4d249fb7a969c283494b0b4d714cb7)**Full error (available only 10days) :** [**235\_1038\_19901\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19901_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=635549e11b4cd32ddf631a73dd056e07d3b27bba5a4e072ab3c88758010dd092)**,** [**235\_1038\_19901\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19901_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=635549e11b4cd32ddf631a73dd056e07d3b27bba5a4e072ab3c88758010dd092)
* **Correct output - case: Execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2334== Memcheck, a memory error detector  
  ==2334== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2334== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2334== Command: ./hsh  
  ==2334== Parent PID: 2331  
  ==2334==   
  ==2335==   
  ==2335== HEAP SUMMARY:  
  ==2335== in use at exit: 120 bytes in 1 blocks  
  ==2335== total heap usage: 9 allocs, 8 frees... - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2492== Memcheck, a memory error detector  
  ==2492== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2492== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2492== Command: ./hsh  
  ==2492== Parent PID: 2489  
  ==2492==   
  ==2493==   
  ==2493== HEAP SUMMARY:  
  ==2493== in use at exit: 120 bytes in 1 blocks  
  ==2493== tota... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6c85890d7713d665e718aa07d5dbb802150c13b267e0a690975328c7e091262d)**Full error (available only 10days) :** [**235\_1038\_19902\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19902_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1efa289ff372db5ae1eb47b789ca43cce7d3010d2b6a8f597cffb701e17b94)**,** [**235\_1038\_19902\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19902_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1efa289ff372db5ae1eb47b789ca43cce7d3010d2b6a8f597cffb701e17b94)
* **Correct output - case: ‘/bin’ is the last element of PATH, execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_last.bash  
  shell.h  
  shell.h~  
  ](Length: 176)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_last.bash  
  shell.h  
  shell.h~  
  ](Length: 175)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
   - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_last.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 176)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_last.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 175)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games:/bin  
  OLDPWD=/  
  \_=/usr/bin/env [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_path\_bin\_last.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_path_bin_last.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=871db5d03a7044f59243c53f39d9e2c0491b9cb6bdc36d6e1a43fd3e06ae1a1d)
* **Correct output - case: Execute /bin/ls (surrounded by spaces) (large)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo " ... - (command)[echo " ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_large\_input.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_large_input.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9fbc35e9cd428f63148bc30f665078790e8155014e9e0748949dc11c05e6d39e)**Full error (available only 10days) :** [**235\_1038\_19904\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19904_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=067797f25142be71a72346e04a125f612a82ab7a96f60a11d30e062cdd05dabd)**,** [**235\_1038\_19904\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19904_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=067797f25142be71a72346e04a125f612a82ab7a96f60a11d30e062cdd05dabd)
* **Correct output - case: Remove the $PATH environment variable and execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_empty\_path.bash  
  checker.bash  
  core.3305  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 186)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==3290== Memcheck, a memory error detector  
  ==3290== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==3290== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==3290== Command: ./hsh  
  ==3290== Parent PID: 3287  
  ==3290==   
  ==3291== Invalid read of size 1  
  ==3291== at 0x483EF46: strlen (in /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_memcheck-amd64-linux.so)  
  ==3291== by 0x48F3382: strdup (strdup.c:41)  
  ==3291==... - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls\_empty\_path.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 196)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==3448== Memcheck, a memory error detector  
  ==3448== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==3448== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==3448== Command: ./hsh  
  ==3448== Parent PID: 3445  
  ==3448==   
  ==3449== Invalid read of size 1  
  ==3449== at 0x483EF46: strlen (in /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_memcheck-amd64-linux.so)  
  ==3449== by... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_empty\_path.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_empty_path.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4d61dfbbf91a05ee8131d4d480f534990191559045786387e8cec668bb8a120c)**Full error (available only 10days) :** [**235\_1038\_19905\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19905_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f0b9218c62ed70b4a367134b58be0844bf2a48bf4eb5e7e21b5dfa6cdb34d6f2)**,** [**235\_1038\_19905\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19905_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f0b9218c62ed70b4a367134b58be0844bf2a48bf4eb5e7e21b5dfa6cdb34d6f2)
* **Correct output - case: Execute /bin/ls -l  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls -l" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[total 624  
  -rw-r--r-- 1 996 992 125 Oct 18 21:19 AUTHORS  
  -rw-r--r-- 1 996 992 16 Oct 18 21:19 README.md  
  -rw-r--r-- 1 996 992 670 Oct 18 21:19 \_simple\_shell.c  
  -rw-r--r-- 1 996 992 376 Oct 18 20:30 allowed\_functions  
  -rw-r--r-- 1 996 992 3048 Oct 18 20:30 bin\_ls\_1\_arg.bash  
  -rwxr-xr-x 1 996 992 13315 Oct 18 20:30 checker.bash  
  -rw------- 1 root root 516096 Oct 18 21:22 core.3305  
  -rw------- 1 root root 516096 Oct 18 21:22 core.3463  
  -rw-r--r-- 1 996 992 846 Oct 18 21:19 execute\_command.c  
  -rw-r--r-- 1 996 992 631 Oct 18 21:19 find\_command\_in\_path.c  
  -rw-r--r-- 1 996 992 507 Oct 18 21:19 handle\_builtin\_commands.c  
  -rwxr-xr-x 1 root root 17952 Oct 18 21:19 hsh  
  -rw-r--r-- 1 996 992 370 Oct 18 21:19 shell.h  
  -rw-r--r-- 1 996 992 256 Oct 18 21:19 shell.h~  
  ](Length: 803)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82... - (command)[echo "/bin/ls -l" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[total 624  
  -rw-r--r-- 1 996 992 376 Oct 18 20:30 allowed\_functions  
  -rw-r--r-- 1 996 992 125 Oct 18 21:19 AUTHORS  
  -rw-r--r-- 1 996 992 3048 Oct 18 20:30 bin\_ls\_1\_arg.bash  
  -rwxr-xr-x 1 996 992 13315 Oct 18 20:30 checker.bash  
  -rw------- 1 root root 516096 Oct 18 21:22 core.3305  
  -rw------- 1 root root 516096 Oct 18 21:22 core.3463  
  -rw-r--r-- 1 996 992 846 Oct 18 21:19 execute\_command.c  
  -rw-r--r-- 1 996 992 631 Oct 18 21:19 find\_command\_in\_path.c  
  -rw-r--r-- 1 996 992 507 Oct 18 21:19 handle\_builtin\_commands.c  
  -rwxr-xr-x 1 root root 17952 Oct 18 21:19 hsh  
  -rw-r--r-- 1 996 992 16 Oct 18 21:19 README.md  
  -rw-r--r-- 1 996 992 370 Oct 18 21:19 shell.h  
  -rw-r--r-- 1 996 992 256 Oct 18 21:19 shell.h~  
  -rw-r--r-- 1 996 992 670 Oct 18 21:19 \_simple\_shell.c  
  ](Length: 803)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOST... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_1\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_1_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ae7f6a887b170a3794ca3a6aeef6cc68441abf09e0ce60f5c5a5b4aa34ac4eba)**Full error (available only 10days) :** [**235\_1038\_19906\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19906_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0cb97489632abc627fa3671dd29a5d77e7069bb6a68f743d12f7a6ab28d061f3)**,** [**235\_1038\_19906\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19906_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0cb97489632abc627fa3671dd29a5d77e7069bb6a68f743d12f7a6ab28d061f3)
* **Correct output - case: Execute both /bin/ls and ls several times with empty lines and leading and trailing spaces  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls  
   /bin/ls  
   ls  
  ls  
   ls " | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  shell.h  
  shell.h~  
  Command not found  
  Command not found  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  shell.h  
  shell.h~  
  Command not found  
  ](Length: 453)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simp... - (command)[echo "ls  
   /bin/ls  
   ls  
  ls  
   ls " | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  Command not found  
  Command not found  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  Command not found  
  ](Length: 453)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_func... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**mix\_ls\_bin\_ls\_spaces.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/mix_ls_bin_ls_spaces.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=506e5c56e5048fbe5602612a4c5ac29f91548dffb334f380f36ef67323ec2284)**Full error (available only 10days) :** [**235\_1038\_19907\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19907_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4dc6fd4c52a96080fff3c33c513fb4c1876e667cbc78a5c6cba8360efe34648b)**,** [**235\_1038\_19907\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19907_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4dc6fd4c52a96080fff3c33c513fb4c1876e667cbc78a5c6cba8360efe34648b)
* **Correct output - case: Execute ls 4 times (with leading and trailing spaces)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls  
   ls  
  ls  
   ls " | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  shell.h  
  shell.h~  
  Command not found  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  shell.h  
  shell.h~  
  Command not found  
  ](Length: 413)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  execute\_comma... - (command)[echo "ls  
   ls  
  ls  
   ls " | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  Command not found  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  Command not found  
  ](Length: 413)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_spaces.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_comma... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_spaces.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_spaces.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=39d4f20f5d714d4d7f9835f0309c606f1c1baa04b578d004b0a72e2d6cfa4d97)**Full error (available only 10days) :** [**235\_1038\_19908\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19908_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2c4b3b20bb3fe36c0e38f260e779d604849db144746ef54de8f06167ca5da2e6)**,** [**235\_1038\_19908\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19908_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2c4b3b20bb3fe36c0e38f260e779d604849db144746ef54de8f06167ca5da2e6)
* **Correct output - case: Set PATH to be an empty string and execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: ls: not found  
  ](Length: 24)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==4613== Memcheck, a memory error detector  
  ==4613== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==4613== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==4613== Command: ./hsh  
  ==4613== Parent PID: 4610  
  ==4613==   
  ==4614==   
  ==4614== HEAP SUMMARY:  
  ==4614== in use at exit: 120 bytes in 1 blocks  
  ==4614== total heap usage: 3 allocs, 2 frees, 4,217 bytes allocated  
  ==4614==   
  ==4614== LEAK SUMMARY:  
  ==4614== definitely lost: 0 bytes in 0 blocks  
  ==4614== indirectly lost: 0 bytes in 0 blocks  
  ==4614== possibly lost: 0 bytes in 0 blocks  
  =... - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: ls: not found  
  ](Length: 24)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==4769== Memcheck, a memory error detector  
  ==4769== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==4769== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==4769== Command: ./hsh  
  ==4769== Parent PID: 4766  
  ==4769==   
  ==4770==   
  ==4770== HEAP SUMMARY:  
  ==4770== in use at exit: 120 bytes in 1 blocks  
  ==4770== total heap usage: 3 allocs, 2 frees, 4,217 bytes allocated  
  ==4770==   
  ==4770== LEAK SUMMARY:  
  ==4770== definitely lost: 0 bytes in 0 blocks  
  ==4770== indirectly lost: 0 bytes in 0 blocks  
  ==4770== possi... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_empty\_path.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_empty_path.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=70b55753ad57a79509128350980d03ef1cfdd70db59f886c83cd32a8e320d7ef)**Full error (available only 10days) :** [**235\_1038\_19909\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19909_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=710925ae113305c0bd28b967f75572dab4e7498ce2b0025fe3660246b006a534)**,** [**235\_1038\_19909\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19909_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=710925ae113305c0bd28b967f75572dab4e7498ce2b0025fe3660246b006a534)
* **Correct output - case: Execute /bin/ls 4 times (surrounded by spaces)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls  
   /bin/ls  
  /bin/ls  
   /bin/ls " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  Command not found  
  ](Length: 73)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 768)  
  (stderr)[]... - (command)[echo "/bin/ls  
   /bin/ls  
  /bin/ls  
   /bin/ls " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  Command not found  
  ](Length: 73)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  bin\_ls\_spaces.bash  
  checker.bash  
  core.3305  
  core.3463  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 768)... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_spaces.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_spaces.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=82cec4b270c1767fde50d28514e5f71c498865a239b49349dbfeea81abc7bef0)**Full error (available only 10days) :** [**235\_1038\_19910\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19910_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=57e1f1df6c40463822a0f004394e0bbf0421e2e4ec46dc9a7a81ddf9d8fda6d7)**,** [**235\_1038\_19910\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19910_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=57e1f1df6c40463822a0f004394e0bbf0421e2e4ec46dc9a7a81ddf9d8fda6d7)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the current directory) and execute ./hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "./hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==5270== Memcheck, a memory error detector  
  ==5270== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==5270== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==5270== Command: ./hsh  
  ==5270== Parent PID: 5267  
  ==5270==   
  ==5271==   
  ==5271== HEAP SUMMARY:  
  ==5271== in use at exit: 120 bytes in 1 blocks  
  ==5271== total heap usage: 9 allocs, 8 frees, 4,428 bytes allocated  
  ==5271==   
  ==5271== LEAK SUMMARY:  
  ==5271== definitely lost: 0 bytes in 0 bloc... - (command)[echo "./hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==5429== Memcheck, a memory error detector  
  ==5429== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==5429== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==5429== Command: ./hsh  
  ==5429== Parent PID: 5426  
  ==5429==   
  ==5430==   
  ==5430== HEAP SUMMARY:  
  ==5430== in use at exit: 120 bytes in 1 blocks  
  ==5430== total heap usage: 9 allocs, 8 frees, 4,428 bytes allocated  
  ==5430==   
  ==5430== LEAK SUMMARY:  
  ==5430== def... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_in\_current\_dir.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_in_current_dir.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5edc7f7a834a2a1e70e30c9343ae19f3fb1285dcf1e55d565ded00c8d20dfc4c)**Full error (available only 10days) :** [**235\_1038\_19911\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19911_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0019915776a0233f108fd8473f58c07bc5c056bf4a737ce8a67d50a139268506)**,** [**235\_1038\_19911\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19911_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0019915776a0233f108fd8473f58c07bc5c056bf4a737ce8a67d50a139268506)
* **Correct output - case: Copy file /bin/ls to .hbtn*ls (in the current directory), change PATH to point to PWD and execute `.hbtn*ls /var`  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo ".hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==5594== Memcheck, a memory error detector  
  ==5594== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==5594== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==5594== Command: ./hsh  
  ==5594== Parent PID: 5591  
  ==5594==   
  ==5595==   
  ==5595== HEAP SUMMARY:  
  ==5595== in use at exit: 120 bytes in 1 blocks  
  ==5595== total heap usage: 4 allocs, 3 frees, 4,370 bytes allocated  
  ==5595==   
  ==5595== LEAK SUMMARY:  
  ==5595== definitely lost: 0 bytes i... - (command)[echo ".hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==5753== Memcheck, a memory error detector  
  ==5753== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==5753== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==5753== Command: ./hsh  
  ==5753== Parent PID: 5750  
  ==5753==   
  ==5754==   
  ==5754== HEAP SUMMARY:  
  ==5754== in use at exit: 120 bytes in 1 blocks  
  ==5754== total heap usage: 4 allocs, 3 frees, 4,370 bytes allocated  
  ==5754==   
  ==5754== LEAK SUMMARY:  
  ==5754=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_dot\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_dot_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=61cef37cbbef8703e3b9ddc0e0e2b61958e6a64dfd859befa1963c75ce4bc190)**Full error (available only 10days) :** [**235\_1038\_19912\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19912_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=baaeace107dfcf61b915760bc781a084ce1b05f08cad2b657afce17d996e7aad)**,** [**235\_1038\_19912\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19912_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=baaeace107dfcf61b915760bc781a084ce1b05f08cad2b657afce17d996e7aad)
* **Correct output - case: Remove all environment variables and execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: ls: not found  
  ](Length: 24)  
  (status)[127]  
  Environment:  
  \_=/usr/bin/env  
   - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: ls: not found  
  ](Length: 24)  
  (status)[127]  
  Environment:  
  \_=/usr/bin/env  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**env\_ignore\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/env_ignore_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9f372c5885230f389f038a6c2fd65c8a1f847a28c71abdfa418a6297682a5c5f)
* **Correct output - case: ‘/bin’ is the first element of PATH, execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_first.bash  
  shell.h  
  shell.h~  
  ](Length: 237)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_first.bash  
  shell.h  
  shell.h~  
  ](Length: 236)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games  
  OLDPWD=/  
  \_=/usr/bin/env  
   - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_first.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 237)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_first.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 236)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games  
  OLDPWD=/  
  \_=/usr/bin/env [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_path\_bin\_first.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_path_bin_first.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=eb864203d0c3e780646284193328a5609e4e5d1dd2b5175f06e961df11b81ef2)
* **Correct output - case: Remove all environment variables and execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  env\_ignore\_bin\_ls.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 256)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  \_=/usr/bin/env  
   - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  env\_ignore\_bin\_ls.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 276)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  \_=/usr/bin/env [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**env\_ignore\_bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/env_ignore_bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8f1f4a145c3b627fed105881fb946ee7cba8a21f873df34d501240aab52b221d)
* **Correct output - case: Execute /bin/ls 3 times  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls  
  /bin/ls  
  /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 819... - (command)[echo "/bin/ls  
  /bin/ls  
  /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  bin\_ls\_3\_times.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_3\_times.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_3_times.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=540030b30e11b547cdb5fc89fca7df460674d13b3ffd3a592775da48f6bd3263)**Full error (available only 10days) :** [**235\_1038\_19916\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19916_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0d1cec3f26d79fc833ba5e24382e21585ad837d5aec795db253312f278aea117)**,** [**235\_1038\_19916\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19916_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0d1cec3f26d79fc833ba5e24382e21585ad837d5aec795db253312f278aea117)
* **Correct output - case: Execute /bin/ls (surrounded by spaces) (medium)  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo " /bin/ls " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls\_medium\_input.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 278)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691... - (command)[echo " /bin/ls " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls\_medium\_input.bash  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 278)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correct... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**bin\_ls\_medium\_input.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_medium_input.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=75e66c7dfc52655bb5b233f6f701513e0e5986b041342a77c0a4691928e26939)**Full error (available only 10days) :** [**235\_1038\_19917\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19917_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=edd5453b0af8643699db9ad43f6f1e4f752b590c7bed92552273244685e0b484)**,** [**235\_1038\_19917\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19917_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=edd5453b0af8643699db9ad43f6f1e4f752b590c7bed92552273244685e0b484)
* **Correct output - case: Execute /bin/ls and ls several times  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls  
  ls  
  ls  
  /bin/ls  
  ls  
  ls  
  ls  
  /bin/ls  
  ls  
  ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  shell.h  
  shell.h~  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  shell.h  
  shell.h~  
  Command not found  
  AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  co... - (command)[echo "ls  
  ls  
  ls  
  /bin/ls  
  ls  
  ls  
  ls  
  /bin/ls  
  ls  
  ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  mix\_ls\_bin\_ls.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  Command not found  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.60... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**mix\_ls\_bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/mix_ls_bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9267c5940f4b652b19b430dc915b0ce5e0d13b156977b4ed7d3734eef1a3560a)**Full error (available only 10days) :** [**235\_1038\_19918\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19918_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d7c788a89eedc6bb0f76f1c789a7fe0320b9cf8685450e57bd94da2df69cb86d)**,** [**235\_1038\_19918\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19918_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d7c788a89eedc6bb0f76f1c789a7fe0320b9cf8685450e57bd94da2df69cb86d)
* **Correct output - case: PATH does not contain ‘/bin’, execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_no\_bin.bash  
  shell.h  
  shell.h~  
  ](Length: 274)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_no\_bin.bash  
  shell.h  
  shell.h~  
  ](Length: 273)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games  
  OLDPWD=/  
  \_=/usr/bin/env  
   - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_no\_bin.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 274)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_no\_bin.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 273)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/usr/games:/usr/local/games  
  OLDPWD=/  
  \_=/usr/... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_path\_no\_bin.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_path_no_bin.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bd7a8eef7904bed13b53642ce98b9f16cce5f7a1869f0f4b51c65959de35a70a)**Full error (available only 10days) :** [**235\_1038\_19919\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19919_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e04dfcad44b46f85f081c2b56071cc1d97ffaeb6c1242ebeda54f6e9b25f6609)
* **Correct output - case: ‘/bin’ is in the middle of PATH, execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_middle.bash  
  shell.h  
  shell.h~  
  ](Length: 278)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_middle.bash  
  shell.h  
  shell.h~  
  ](Length: 277)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/bin:/usr/bin:/sbin:/usr/games:/usr/local/games  
  OLDPWD=/  
  \_=/usr/bin/env... - (command)[echo "ls" | ./hsh]  
  [GOT]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_middle.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 278)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  core.3305  
  core.3463  
  core.5921  
  core.5931  
  core.6078  
  core.6088  
  core.6555  
  core.6565  
  core.6707  
  core.6717  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  ls\_path\_bin\_middle.bash  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 277)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/bin:/usr/bin:/sbin:/usr/games:/usr/loca... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**ls\_path\_bin\_middle.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/ls_path_bin_middle.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=1f6a2479e019647d5392f11ce5015a5524e2e8ec040bbb78990ceef37838586a)**Full error (available only 10days) :** [**235\_1038\_19920\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19920_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=fec9d5027fc0dc002ca44626a45c0d33ce026313a53d9fbad30b60858e5cd4e8)**,** [**235\_1038\_19920\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19920_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=fec9d5027fc0dc002ca44626a45c0d33ce026313a53d9fbad30b60858e5cd4e8)
* **Correct output - case: Set PATH to be an empty string and execute a command that does not exist  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "hbtn\_cmd" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn\_cmd: not found  
  ](Length: 30)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==8515== Memcheck, a memory error detector  
  ==8515== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==8515== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==8515== Command: ./hsh  
  ==8515== Parent PID: 8512  
  ==8515==   
  ==8516==   
  ==8516== HEAP SUMMARY:  
  ==8516== in use at exit: 120 bytes in 1 blocks  
  ==8516== total heap usage: 3 allocs, 2 frees, 4,217 bytes allocated  
  ==8516==   
  ==8516== LEAK SUMMARY:  
  ==8516== definitely lost: 0 bytes in 0 blocks  
  ==8516== indirectly lost: 0 bytes in 0 blocks  
  ==8516== possibly lost: 0 bytes i... - (command)[echo "hbtn\_cmd" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn\_cmd: not found  
  ](Length: 30)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==8672== Memcheck, a memory error detector  
  ==8672== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==8672== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==8672== Command: ./hsh  
  ==8672== Parent PID: 8669  
  ==8672==   
  ==8673==   
  ==8673== HEAP SUMMARY:  
  ==8673== in use at exit: 120 bytes in 1 blocks  
  ==8673== total heap usage: 3 allocs, 2 frees, 4,217 bytes allocated  
  ==8673==   
  ==8673== LEAK SUMMARY:  
  ==8673== definitely lost: 0 bytes in 0 blocks  
  ==8673== indirectly lost: 0 bytes in 0 blocks  
  ==8673=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**empty\_path\_failing\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/path/empty_path_failing_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3fe2c5750cdc121716b5f3a66a219c18066b53aec07e33d0e8397f214bef995)**Full error (available only 10days) :** [**235\_1038\_19921\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19921_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=472d1ac94085868ccc5d88f6e8279ff1cedd574a934e138b67578fb5a32035ca)**,** [**235\_1038\_19921\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19921_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=472d1ac94085868ccc5d88f6e8279ff1cedd574a934e138b67578fb5a32035ca)
* **Correct output - case: Remove PATH variable and set a PATH1 variable, and execute ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "hbtn\_ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn\_ls: not found  
  ](Length: 29)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  PATH1=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  LC\_ALL=C  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==8836== Memcheck, a memory error detector  
  ==8836== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==8836== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==8836== Command: ./hsh  
  ==8836== Parent PID: 8833  
  ==8836==   
  ==8837== Invalid read of size 1  
  ==8837== at 0x483EF46: strlen (in /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_memcheck-amd64-linux.so)  
  ==8837== by 0x48F3382: strdup (strdup.c:41)  
  ==8837== by 0x109585: Find\_command\_in\_path (in /tmp/correction/2171691110475007611162... - (command)[echo "hbtn\_ls" | ./hsh]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn\_ls: not found  
  ](Length: 29)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  PATH1=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==8994== Memcheck, a memory error detector  
  ==8994== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==8994== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==8994== Command: ./hsh  
  ==8994== Parent PID: 8991  
  ==8994==   
  ==8995== Invalid read of size 1  
  ==8995== at 0x483EF46: strlen (in /usr/lib/x86\_64-linux-gnu/valgrind/vgpreload\_memcheck-amd64-linux.so)  
  ==8995== by 0x48F3382: strdup (strdup.c:41)  
  ==8995== by 0x109585: Find\_command\_in\_path (in /tmp/co... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**path\_path1\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/path/path_path1_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=137a939c26ba565781de0fd8bd956dff36cdbcf38054690f4ed067ff3384055b)**Full error (available only 10days) :** [**235\_1038\_19922\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19922_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=84180de6ec820a72f24f9dcadf5170a0d84b5be3228546693908b6d60225bef6)**,** [**235\_1038\_19922\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19922_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=84180de6ec820a72f24f9dcadf5170a0d84b5be3228546693908b6d60225bef6)
* **Correct output - case: Copy the file /bin/ls to hbtn\_ls (in the current directory), set the PATH to PWD, and execute hbtn\_ls /var  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==9158== Memcheck, a memory error detector  
  ==9158== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==9158== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==9158== Command: ./hsh  
  ==9158== Parent PID: 9155  
  ==9158==   
  ==9159==   
  ==9159== HEAP SUMMARY:  
  ==9159== in use at exit: 120 bytes in 1 blocks  
  ==9159== total heap usage: 4 allocs, 3 frees, 4,369 bytes allocated  
  ==9159==   
  ==9159== LEAK SUMMARY:  
  ==9159== definitely lost: 0 bytes in... - (command)[echo "hbtn\_ls /var" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==9317== Memcheck, a memory error detector  
  ==9317== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==9317== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==9317== Command: ./hsh  
  ==9317== Parent PID: 9314  
  ==9317==   
  ==9318==   
  ==9318== HEAP SUMMARY:  
  ==9318== in use at exit: 120 bytes in 1 blocks  
  ==9318== total heap usage: 4 allocs, 3 frees, 4,369 bytes allocated  
  ==9318==   
  ==9318== LEAK SUMMARY:  
  ==9318==... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**path\_current\_dir\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/path/path_current_dir_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ebaadb64dc877177f99ac78e6397154a039ee1f73db2abdd66cc1bb6ca40a4ff)**Full error (available only 10days) :** [**235\_1038\_19923\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19923_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=181c62074c3c21ad1b1fcb2080d30d219826d2c0ff553c611430bd41b433d0a4)**,** [**235\_1038\_19923\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19923_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=181c62074c3c21ad1b1fcb2080d30d219826d2c0ff553c611430bd41b433d0a4)
* **Correct output - case: fork should not be called when a command does not exist  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "hbtn" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn: not found  
  ](Length: 26)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==9485== Memcheck, a memory error detector  
  ==9485== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==9485== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==9485== Command: ./hsh  
  ==9485== Parent PID: 9482  
  ==9485==   
  ==9486==   
  ==9486== HEAP SUMMARY:  
  ==9486== in use at exit: 120 bytes in 1 blocks  
  ==9486== total heap usage: 9 allocs, 8 frees, 4,368 bytes allocated  
  ==9486==   
  ==9486== LEAK SUMMARY:  
  ==9486== definitely lost: 0 bytes in 0 blocks  
  ==9486== indirectly lost: 0 byte... - (command)[echo "hbtn" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: hbtn: not found  
  ](Length: 26)  
  (status)[127]  
  Environment:  
  HOSTNAME=caee82867e24  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/2171691110475007611162634474715156895039\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==9645== Memcheck, a memory error detector  
  ==9645== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==9645== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==9645== Command: ./hsh  
  ==9645== Parent PID: 9642  
  ==9645==   
  ==9646==   
  ==9646== HEAP SUMMARY:  
  ==9646== in use at exit: 120 bytes in 1 blocks  
  ==9646== total heap usage: 9 allocs, 8 frees, 4,368 bytes allocated  
  ==9646==   
  ==9646== LEAK SUMMARY:  
  ==9646== definitely lost: 0 bytes in 0 blocks  
  ==96... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ed1c554e5f70ad4db5ab26cb871006a822430d5255c369863405105e9e3326ac)**,** [**unknown\_command\_no\_fork.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/failing/unknown_command_no_fork.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=7af884297ad18ca8b4301f25e3472e781f52e8efb57dff917691b797a7fc5575)**Full error (available only 10days) :** [**235\_1038\_19924\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19924_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bed5c0fdf2f0a4513dbccf5e9ac78887d925ac776415b8034d6c5ca0f360ff36)**,** [**235\_1038\_19924\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1038_19924_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T084919Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bed5c0fdf2f0a4513dbccf5e9ac78887d925ac776415b8034d6c5ca0f360ff36)

**TASK 4**

### 4. Simple shell 0.4

**mandatory**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 0.3 +**

* **Implement the exit built-in, that exits the shell**
* **Usage: exit**
* **You don’t have to handle any argument to the built-in exit**

**Repo:**

* **GitHub repository: simple\_shell**

**QW REVIEW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Exit without parameter  
  Score: 0 out of 1 points  
  Reason:  
   - [VALGRIND]:  
  ==84== Memcheck, a memory error detector  
  ==84== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==84== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==84== Command: ./hsh  
  ==84== Parent PID: 81  
  ==84==   
  ==84==   
  ==84== HEAP SUMMARY:  
  ==84== in use at exit: 120 bytes in 1 blocks  
  ==84== total heap usage: 2 allocs, 1 frees, 4,216 bytes allocated  
  ==84==   
  ==84== LEAK SUMMARY:  
  ==84== definitely lost: 0 bytes in 0 blocks  
  ==84== indirectly lost: 0 bytes in 0 blocks  
  ==84== possibly lost: 0 bytes in 0 blocks  
  ==84== still reachable: 120 bytes in 1 blocks  
  ==84== suppressed: 0 bytes in 0 blocks  
  ==84== Rerun with --leak-check=full to see details of leaked memory  
  ==84==   
  ==84== For lists of detected and suppressed errors, rerun with: -s  
  ==84== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0) [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085217Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6c8510804e3a98dd3c3f35982fbc682bb95cc44a85c3750c98edb22e33981d21)**,** [**exit\_no\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_no_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085217Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=784746c9620b7ac7cca4a63207ec52930a7b7454deb51c9be30be0c404d81860)
* **Correct output - case: Execute a command that fails, and exit without parameter  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls /test\_hbtn  
  exit" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 18)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access '/test\_hbtn': No such file or directory  
  ](Length: 63)  
  (status)[2]  
  Environment:  
  HOSTNAME=a1d7f1c5cbb0  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/4734204796350348619544029371396600555459\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==204== Memcheck, a memory error detector  
  ==204== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==204== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==204== Command: ./hsh  
  ==204== Parent PID: 201  
  ==204==   
  ==205==   
  ==205== HEAP SUMMARY:  
  ==205== in use at exit: 120 bytes in 1 blocks  
  ==205== total heap usage: 9 allocs, 8 frees, 4,452 bytes allocated  
  ==205==   
  ==205== LEAK SUMMARY:  
  ==205== definitely lo... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085217Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6c8510804e3a98dd3c3f35982fbc682bb95cc44a85c3750c98edb22e33981d21)**,** [**exit\_no\_arg\_1.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_no_arg_1.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085217Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=543f0918c8dec511bec360a6ad0d9a1721eadb4e024b16f8529be78cbb33d337)**Full error (available only 10days) :** [**235\_1039\_19797\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1039_19797_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085217Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9822fbc544e7bfbf2f93b266272255d93bdc208fe6742f22d599eebd5a7dcdf0)

**TASK 5**

### 5. Simple shell 1.0

**mandatory**

**Score: 100.0% (*Checks completed: 100.0%*)**

**Simple shell 0.4 +**

* **Implement the env built-in, that prints the current environment**

**julien@ubuntu:~/shell$ ./simple\_shell**

**$ env**

**USER=julien**

**LANGUAGE=en\_US**

**SESSION=ubuntu**

**COMPIZ\_CONFIG\_PROFILE=ubuntu**

**SHLVL=1**

**HOME=/home/julien**

**C\_IS=Fun\_:)**

**DESKTOP\_SESSION=ubuntu**

**LOGNAME=julien**

**TERM=xterm-256color**

**PATH=/home/julien/bin:/home/julien/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin**

**DISPLAY=:0**

**$ exit**

**julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Remove all environment variables, except one, and execute env  
  Score: 1 out of 1 points  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5fba0df74c1b95a1600968383f3e978a88a989fc8c5238bf4fee94d752044d67)**,** [**env\_one\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/env/env_one_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=10fa5b9b708a6f47f74be36bf4c76e146e8dd3055b56f8b9fb6963d150ade47d)
* **Correct output - case: Execute env  
  Score: 1 out of 1 points  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5fba0df74c1b95a1600968383f3e978a88a989fc8c5238bf4fee94d752044d67)**,** [**env.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/env/env.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e7e32fa4696c2a79408fc7ed9429feefa6fd2c99b5570b6dc9f6e2bfdb888fd2)
* **Correct output - case: Remove all environment variables and execute env  
  Score: 1 out of 1 points  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5fba0df74c1b95a1600968383f3e978a88a989fc8c5238bf4fee94d752044d67)**,** [**env\_ignore\_env.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/env/env_ignore_env.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085337Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9bf90435b9662d784dbfe7ef60fbc40541082781e71ced56334be57133d834d8)

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ADVANCED**

### 6. Simple shell 0.1.1

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 0.1 +**

* **Write your own getline function**
* **Use a buffer to read many chars at once and call the least possible the read system call**
* **You will need to use static variables**
* **You are not allowed to use getline**

**You don’t have to:**

* **be able to move the cursor**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=9e17e6e62594  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8209601129311450559897180354511493521023\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==85== Memcheck, a memory error detector  
  ==85== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==85== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==85== Command: ./hsh  
  ==85== Parent PID: 82  
  ==85==   
  ==86==   
  ==86== HEAP SUMMARY:  
  ==86== in use at exit: 120 bytes in 1 blocks  
  ==86== total heap usage: 9 allocs, 8 frees, ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dd48b89ca32b3d6445dae1cbb9b3023d9f6e2f5ed61a534d6b561c05689be781)**,** [**bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bfe1fdcfd7ad7ef49e14f94a373d43831562bf089bf93b5e4ce6e8930d3545ce)**Full error (available only 10days) :** [**235\_1035\_19764\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1035_19764_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=42cf221a0bca062c289e7c644477f7601ac889bfb7175f94a43aacbb76218769)
* **Correct output - case: Execute /bin/ls (surrounded by spaces) (medium)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo " /bin/ls " | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  bin\_ls\_medium\_input.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 178)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=9e17e6e62594  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8209601129311450559897180354511493521023\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SH... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dd48b89ca32b3d6445dae1cbb9b3023d9f6e2f5ed61a534d6b561c05689be781)**,** [**bin\_ls\_medium\_input.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_medium_input.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0725d246bcaf3c33ab5d06536774fa17ae9f19b25e0c190b456a97767649e5e7)**Full error (available only 10days) :** [**235\_1035\_19765\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1035_19765_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ceb6686517ee5149b89c1af98d1a0a172acf0283a5b316ee6afc40785d7a014d)
* **Correct output - case: Execute /bin/ls (surrounded by spaces) (large)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo " ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dd48b89ca32b3d6445dae1cbb9b3023d9f6e2f5ed61a534d6b561c05689be781)**,** [**bin\_ls\_large\_input.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls_large_input.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4eec7664ba4a239a9e6b7043b4ad0833a42323087d3a1d14e7d2b27d357ce546)**Full error (available only 10days) :** [**235\_1035\_19766\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1035_19766_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085433Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9115176b2b4b4aa76e9a328a3a704aab1add0292469d0d38d52de8e6afe002ad)

**TASK 7**

### 7. Simple shell 0.2.1

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 0.2 +**

* **You are not allowed to use strtok**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute /bin/ls  
  Score: 0 out of 1 points  
  Reason:  
   - - (command)[echo "/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[AUTHORS  
  README.md  
  \_simple\_shell.c  
  allowed\_functions  
  bin\_ls.bash  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  shell.h  
  shell.h~  
  ](Length: 165)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=30ddbb72386e  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/8815470508823305400532195455083487700716\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=C  
  SHLVL=2  
  LC\_ALL=C  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==85== Memcheck, a memory error detector  
  ==85== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==85== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==85== Command: ./hsh  
  ==85== Parent PID: 82  
  ==85==   
  ==86==   
  ==86== HEAP SUMMARY:  
  ==86== in use at exit: 120 bytes in 1 blocks  
  ==86== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocate... - [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085534Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=55f8de4fc35e9d3d8f081a87fa3657b488bc9f452ef2b0a7c67c79f799a2c24a)**,** [**bin\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/ls/bin_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085534Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=18dbcbaa74afead3207a0540f8aa8f438c2cfc8ce5a4dd086cb721f56db7e817)**Full error (available only 10days) :** [**235\_1037\_19774\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1037_19774_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085534Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=00afd155ca953c7b8ba6b6cbb4969eb145edeb9e129332c143243314b1d8b74f)

**TASK 8**

### 8. Simple shell 0.4.1

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 0.4 +**

* **handle arguments for the built-in exit**
* **Usage: exit status, where status is an integer used to exit the shell**

**julien@ubuntu:~/shell$ ./shell\_0.4.1**

**$ exit 98**

**julien@ubuntu:~/shell$ echo $?**

**98**

**julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Exit with the status 1000  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "exit 1000" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[232]  
  Environment:  
  HOSTNAME=a7b2e682ef72  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/5637440499374504490125595498157687253896\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==84== Memcheck, a memory error detector  
  ==84== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==84== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==84== Command: ./hsh  
  ==84== Parent PID: 81  
  ==84==   
  ==85==   
  ==85== HEAP SUMMARY:  
  ==85== in use at exit: 120 bytes in 1 blocks  
  ==85== total heap usage: 9 allocs, 8 frees, 4,398 bytes allocated  
  ==85==   
  ==85== LEAK SUMMARY:  
  ==85== definitely lost: 0 bytes in 0 blocks  
  ==85== indirectly lost: 0 bytes in 0 blocks  
  ==85== possib... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_1000.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_1000.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a0f6fbfa02b87d4a09a83ba609a82257873ed77242f24c308254bd5c3e63b7f6)**Full error (available only 10days) :** [**235\_1040\_19800\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1040_19800_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=141781b8489997cf8f8310f8aea381a73dfde9f8055de6ca362a2e8b87ddd13c)
* **Correct output - case: Exit with the number 98 as parameter  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "exit 98" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[98]  
  Environment:  
  HOSTNAME=a7b2e682ef72  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/5637440499374504490125595498157687253896\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==246== Memcheck, a memory error detector  
  ==246== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==246== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==246== Command: ./hsh  
  ==246== Parent PID: 243  
  ==246==   
  ==247==   
  ==247== HEAP SUMMARY:  
  ==247== in use at exit: 120 bytes in 1 blocks  
  ==247== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocated  
  ==247==   
  ==247== LEAK SUMMARY:  
  ==247== definitely lost: 0 bytes in 0 blocks  
  ==247== indirectly lost: 0 bytes in 0 blocks  
  ==247=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_with\_status.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_with_status.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=78e53584929be2f26873c8536627d62340bee5ff3519dbe1f4cb63b6b90ed991)**Full error (available only 10days) :** [**235\_1040\_19801\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1040_19801_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=7779f2852b4424c4e7aab68ee2b474c51e9846b165a4866d2c770d2defcebc40)
* **Correct output - case: Exit with a negative number  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "exit -98" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: exit: Illegal number: -98  
  ](Length: 36)  
  (status)[2]  
  Environment:  
  HOSTNAME=a7b2e682ef72  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/5637440499374504490125595498157687253896\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==408== Memcheck, a memory error detector  
  ==408== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==408== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==408== Command: ./hsh  
  ==408== Parent PID: 405  
  ==408==   
  ==409==   
  ==409== HEAP SUMMARY:  
  ==409== in use at exit: 120 bytes in 1 blocks  
  ==409== total heap usage: 9 allocs, 8 frees, 4,392 bytes allocated  
  ==409==   
  ==409== LEAK SUMMARY:  
  ==409== definitely lost: 0 bytes in 0 blocks  
  ==409== indire... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_neg\_number.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_neg_number.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c6202f98eeab36ee2d8386a5b5d4ede432d10536f954f4f734f09dab5d8bc5fc)**Full error (available only 10days) :** [**235\_1040\_19802\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1040_19802_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3856f83f1756a7a7b9df24edb20c579c76bd3b82b6b673e9c029d79864ba25e1)
* **Correct output - case: Execute a command that fails, and exit without parameter  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls /test\_hbtn  
  exit" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 18)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access '/test\_hbtn': No such file or directory  
  ](Length: 63)  
  (status)[2]  
  Environment:  
  HOSTNAME=a7b2e682ef72  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/5637440499374504490125595498157687253896\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==571== Memcheck, a memory error detector  
  ==571== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==571== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==571== Command: ./hsh  
  ==571== Parent PID: 568  
  ==571==   
  ==572==   
  ==572== HEAP SUMMARY:  
  ==572== in use at exit: 120 bytes in 1 blocks  
  ==572== total heap usage: 9 allocs, 8 frees, 4,452 bytes allocated  
  ==572==   
  ==572== LEAK SUMMARY:  
  ==572== definitely lo... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_no\_arg\_1.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_no_arg_1.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=880dc7f86adce1a2056180a45d82e3c03b483b7c7aebe359c2c7c33d80d4aed3)**Full error (available only 10days) :** [**235\_1040\_19803\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1040_19803_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8e8b565a14540fd1c596eedb12f7082990346ee304975f69f2c5d2104fca18ee)
* **Correct output - case: Exit without parameter  
  Score: 0 out of 1 points  
  Reason:  
   - [VALGRIND]:  
  ==734== Memcheck, a memory error detector  
  ==734== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==734== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==734== Command: ./hsh  
  ==734== Parent PID: 731  
  ==734==   
  ==734==   
  ==734== HEAP SUMMARY:  
  ==734== in use at exit: 120 bytes in 1 blocks  
  ==734== total heap usage: 2 allocs, 1 frees, 4,216 bytes allocated  
  ==734==   
  ==734== LEAK SUMMARY:  
  ==734== definitely lost: 0 bytes in 0 blocks  
  ==734== indirectly lost: 0 bytes in 0 blocks  
  ==734== possibly lost: 0 bytes in 0 blocks  
  ==734== still reachable: 120 bytes in 1 blocks  
  ==734== suppressed: 0 bytes in 0 blocks  
  ==734== Rerun with --leak-check=full to see details of leaked memory  
  ==734==   
  ==734== For lists of detected and suppressed errors, rerun with: -s  
  ==734== ERROR SUMMARY: 0 errors from 0 contexts (suppressed: 0 from 0) [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_no\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_no_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3bb0727a8691e0147911b327dae23f35adb93578db8a923fa6f2918336f2c8e1)
* **Correct output - case: Exit with a string as parameter  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "exit HBTN" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 1: exit: Illegal number: HBTN  
  ](Length: 37)  
  (status)[2]  
  Environment:  
  HOSTNAME=a7b2e682ef72  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/5637440499374504490125595498157687253896\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==854== Memcheck, a memory error detector  
  ==854== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==854== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==854== Command: ./hsh  
  ==854== Parent PID: 851  
  ==854==   
  ==855==   
  ==855== HEAP SUMMARY:  
  ==855== in use at exit: 120 bytes in 1 blocks  
  ==855== total heap usage: 9 allocs, 8 frees, 4,398 bytes allocated  
  ==855==   
  ==855== LEAK SUMMARY:  
  ==855== definitely lost: 0 bytes in 0 blocks  
  ==855== indi... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=578481f0ef8190cd57b06f8a600076c79d48e847c91670f08768ac5f4ade01fb)**,** [**exit\_string.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/exit/exit_string.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e2bdb3563b4131f534d38220ced859e85afd49d6c482b90ead6149ef4f550dd9)**Full error (available only 10days) :** [**235\_1040\_19805\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1040_19805_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085638Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=98554b64327182424a8e8f6c65e6ab0fd9e4e87ec659b500cbed0b4e58a31482)

**TASK 9**

### 9. setenv, unsetenv

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

**Implement the setenv and unsetenv builtin commands**

* **setenv**
  + **Initialize a new environment variable, or modify an existing one**
  + **Command syntax: setenv VARIABLE VALUE**
  + **Should print something on stderr on failure**
* **unsetenv**
  + **Remove an environment variable**
  + **Command syntax: unsetenv VARIABLE**
  + **Should print something on stderr on failure**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute setenv HBTN (only one parameter) and display the environment  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "setenv HBTN  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 285)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 267)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=aa7715ad476d  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/e... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**setenv\_one\_param.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/setenv/setenv_one_param.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d1811a8d4614fe6accc7ff860aa81d643aa15994b0748f193dd30dc4a9a5e435)**Full error (available only 10days) :** [**235\_1043\_19813\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19813_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4ec8db7378bfec59e3e73da1ec14ce95462d7344b2a429ea3b9382f165fb6040)
* **Correct output - case: Execute setenv without parameter and display the environment  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "setenv  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 285)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 267)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=aa7715ad476d  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [V... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**setenv\_no\_param.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/setenv/setenv_no_param.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=b2d3f918e7306d661b0f7c767c1cd123a8911521dfa6dba8eb5ca1d82b02e08b)**Full error (available only 10days) :** [**235\_1043\_19814\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19814_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8056f5d1ff9a6a4255025ec54bfb5acca072d4cc7077ff5a3378b7f775c2646f)
* **Correct output - case: Display the environment, setenv an existing variable, and display again  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "env  
  setenv HBTN\_VAR FTW  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 590)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  LANGUA... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**setenv\_existing\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/setenv/setenv_existing_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=69c2ef408f0e35cd79f50d93c13d3aed17b20b2df74cf82309c9f507736a50a6)**Full error (available only 10days) :** [**235\_1043\_19815\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19815_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=aa37a44dcb9aefbadfde78e77c9cdcefbc5a983113086897c72d324f1cf2a58e)
* **Correct output - case: Display the environment, set a new variable using setenv, and display the environment again  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "env  
  setenv HBTN Holberton  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 552)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OL... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**setenv.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/setenv/setenv.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=47a0ac3e526f708cecc2dc4a131c94135167d58eec083209ecd5d324c4c2107f)**Full error (available only 10days) :** [**235\_1043\_19816\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19816_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=fea848ba7344b167a138892cdb92230a86997819d03ab525c7ee56c190a9f254)
* **Correct output - case: Display the environment, unset an existing environment variable using unsetenv and display the environment again  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "env  
  unsetenv HBTN\_VAR  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 590)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  LANGUAGE... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**unsetenv.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/unsetenv/unsetenv.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=589298f73a8147f0ee7488e0665eac904bf22696d5db8e75cca5b17f66c15182)**Full error (available only 10days) :** [**235\_1043\_19817\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19817_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6b3fbb6dbe4afbed86345cdc1cced4f00ed3136642898d5b23781ed585fa9c62)
* **Correct output - case: Display the environment, unset a not-existing environment variable using unsetenv and display the environment again  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "env  
  unsetenv HBTN\_VAR  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 552)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**unsetenv\_not\_existing\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/unsetenv/unsetenv_not_existing_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e87ef563918858131d1e905314821022c8c6b87c49d10a8473cb0ceaa5394d49)**Full error (available only 10days) :** [**235\_1043\_19818\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19818_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=38a012421bbb8031c0958bd0ffba32cf83ce12841e6e890d2dc96f16f9a59adb)
* **Correct output - case: Execute unsetenv (without parameter) and display the environment  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "unsetenv  
  env" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 285)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[LANGUAGE=en\_US:en  
  HOSTNAME=aa7715ad476d  
  SHLVL=1  
  HOME=/root  
  OLDPWD=/  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  LANG=en\_US.UTF-8  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  LC\_ALL=en\_US.UTF-8  
  TZ=America/Los\_Angeles  
  ](Length: 267)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=aa7715ad476d  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7343760001646750001608218910544482803801\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=06d4e3a53d8141769ffae0abac074ed7f0cd86f51398fdbd92c20fd6723a3961)**,** [**unsetenv\_no\_param.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/unsetenv/unsetenv_no_param.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=55a8b071c903420d7ff6a8c10fe3fbb1286b494ca6c1f175fe3027a8ef1b3d4a)**Full error (available only 10days) :** [**235\_1043\_19819\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1043_19819_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T085707Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5d1ba7c20f0596f26089dbb42bc07fdbbc2f58c20a1decf630d6f0538698546b)

**TASK 10**

### 10. cd

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

**Implement the builtin command cd:**

* **Changes the current directory of the process.**
* **Command syntax: cd [DIRECTORY]**
* **If no argument is given to cd the command must be interpreted like cd $HOME**
* **You have to handle the command cd -**
* **You have to update the environment variable PWD when you change directory**

**man chdir, man getcwd**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

**README is present and not empty**

**Compile program**

**Correct output - case: Execute cd without parameter  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/root  
](Length: 6)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==86== Memcheck, a memory error detector  
==86== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==86== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==86== Command: ./hsh  
==86== Parent PID: 83  
==86==   
==87==   
==87== HEAP SUMMARY:  
==87== in use at exit: 120 bytes in 1 blocks  
==87== total heap usage: 9 allocs, 8 frees, 4,356 bytes allocated  
==87==   
==87== LEAK SUMMARY:  
==87== definitely lost: 0 bytes in 0 blocks  
==87== indirectly lost: 0 bytes in 0 b... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_no\_arg.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_no_arg.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ceea3ef917715ad90c13e4231d21b4e230378513d0d56094d1bbe5e4a4d88ec0)**Full error (available only 10days) :** [**235\_1044\_19822\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19822_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dcfbde0b7c4dc9cad94b5c3f9f0befe8c836003c9c8a737e8154a2f6d506290e)

**Correct output - case: Remove $HOME and execute cd without parameter  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
](Length: 70)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==251== Memcheck, a memory error detector  
==251== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==251== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==251== Command: ./hsh  
==251== Parent PID: 248  
==251==   
==252==   
==252== HEAP SUMMARY:  
==252== in use at exit: 120 bytes in 1 blocks  
==252== total heap usage: 9 allocs, 8 frees, 4,356 bytes allocated  
==252==   
==252== LEAK SUMMARY:  
==252== definitely... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_no\_arg\_rm\_home.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_no_arg_rm_home.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=34afe69caf4fb8bb56ce29ede01ce9a494138b68a4d6a068d7f6c3cebc734588)**Full error (available only 10days) :** [**235\_1044\_19823\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19823_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ad77e8c26bc8c5b3dfde832df17bbd7b57962316b5ab1c6ca68dc5dbc0afda4b)

**Correct output - case: Try to cd /root (without permission)  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd /root  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/root  
](Length: 6)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==416== Memcheck, a memory error detector  
==416== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==416== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==416== Command: ./hsh  
==416== Parent PID: 413  
==416==   
==417==   
==417== HEAP SUMMARY:  
==417== in use at exit: 120 bytes in 1 blocks  
==417== total heap usage: 9 allocs, 8 frees, 4,392 bytes allocated  
==417==   
==417== LEAK SUMMARY:  
==417== definitely lost: 0 bytes in 0 blocks  
==417== indirectly... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_no\_permission.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_no_permission.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=43c492de8744fecfe4e40d6e76b6cf0d8fd52481aab9ddb1fc2b3f6ebdea8e9e)**Full error (available only 10days) :** [**235\_1044\_19824\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19824_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=33dfe55d26658534da96b3420f3e9c53cee3d5fdea34291174f5cb68946a1387)

**Correct output - case: Remove OLDPWD and execute cd -  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd -  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
](Length: 140)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
\_=/usr/bin/env  
[VALGRIND]:  
==581== Memcheck, a memory error detector  
==581== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==581== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==581== Command: ./hsh  
==581== Parent PID: 578  
==581==   
==582==   
==582== HEAP SUMMARY:  
==582== in use at exit: 120 bytes in 1 blocks  
==582== total heap usage: 9 allocs, 8 frees,... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_dash\_rm\_oldpwd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_dash_rm_oldpwd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5f844e60c3f8b0e50c4785b4cbc6ab51d97c253d4c3a95417b4e455b8f826f74)**Full error (available only 10days) :** [**235\_1044\_19825\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19825_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=cdfabaf4e864824f92da2bf663ae4b57e2e9536712c24661390d30ff05206667)

**Correct output - case: Cd to /tmp, then to dev and execute cd -  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd /tmp  
cd /dev  
cd -  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
Command not found  
Command not found  
](Length: 73)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp  
/tmp  
](Length: 10)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==746== Memcheck, a memory error detector  
==746== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==746== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==746== Command: ./hsh  
==746== Parent PID: 743  
==746==   
==747==   
==747== HEAP SUMMARY:  
==747== in use at exit: 120 bytes in 1 blocks  
==747== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocated  
==747==   
==747== LEAK SUMMARY:  
==747== defin... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_dash.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_dash.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3277cfd984980b64a6ada7dc68c80a2546ed4a54427ce480aaa6d41001fb9e75)**Full error (available only 10days) :** [**235\_1044\_19826\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19826_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ad4299173d2ffc3a8535bb2fcdbf16c9e118af1d033b0964039b9300bde18876)

**Correct output - case: Execute cd /tmp  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd /tmp  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp  
](Length: 5)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==915== Memcheck, a memory error detector  
==915== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==915== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==915== Command: ./hsh  
==915== Parent PID: 912  
==915==   
==916==   
==916== HEAP SUMMARY:  
==916== in use at exit: 120 bytes in 1 blocks  
==916== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocated  
==916==   
==916== LEAK SUMMARY:  
==916== definitely lost: 0 bytes in 0 blocks  
==916== indirectly l... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_normal.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_normal.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d4b892d2bac61d726972cc3df231840a72cd30052c890b47be5a0fc97857f466)**Full error (available only 10days) :** [**235\_1044\_19827\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19827_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=347ec1139842fb315f037aa27aab713fe874a472d83f094a702093e1c50e0b87)

**Correct output - case: Try to cd /hbtn (Folder does not exist)  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd /hbtn  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
](Length: 70)  
(stderr)[./hsh: 1: cd: can't cd to /hbtn  
](Length: 32)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==1080== Memcheck, a memory error detector  
==1080== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==1080== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==1080== Command: ./hsh  
==1080== Parent PID: 1077  
==1080==   
==1081==   
==1081== HEAP SUMMARY:  
==1081== in use at exit: 120 bytes in 1 blocks  
==1081== total heap usage: 9 allocs, 8 frees, 4,392 bytes a... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_not\_existing\_dir.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_not_existing_dir.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=828d9a492e8eea397082e721088cf4a864b3680ed0e9dad2e00f1fb3b94c62e2)**Full error (available only 10days) :** [**235\_1044\_19828\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19828_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f2cf51edfbbc79f97c3e34518f271611f42287abc0690dfbf289de326a0f0417)

**Correct output - case: Set the variable OLDPWD to /tmp and execute cd -  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd -  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp  
/tmp  
](Length: 10)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/root  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/tmp  
\_=/usr/bin/env  
[VALGRIND]:  
==1246== Memcheck, a memory error detector  
==1246== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==1246== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==1246== Command: ./hsh  
==1246== Parent PID: 1243  
==1246==   
==1247==   
==1247== HEAP SUMMARY:  
==1247== in use at exit: 120 bytes in 1 blocks  
==1247== total heap usage: 9 allocs, 8 frees, 4,368 bytes allocated  
==1247==   
==1247== LEAK SUMMARY:  
==1247== definitely lost: 0 bytes in 0 blocks  
==1... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_dash\_change\_oldpwd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_dash_change_oldpwd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3a044b72125d5580f3ed46ce836b193c1ab8c9eaf8cd2b4338b8d89ffb8985c3)**Full error (available only 10days) :** [**235\_1044\_19829\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19829_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a4847d49ec136787f4941a6ce19ce65f6b1777580120448157810946839aecc9)

**Correct output - case: Set $HOME to /tmp and execute cd without parameter  
Score: 0 out of 1 points  
Reason:  
 - (command)[echo "cd  
/bin/pwd" | ./hsh]  
[GOT]:  
(stdout)[Command not found  
Command not found  
](Length: 37)  
(stderr)[](Length: 0)  
(status)[0]  
[EXPECTED]:  
(stdout)[/tmp  
](Length: 5)  
(stderr)[](Length: 0)  
(status)[0]  
Environment:  
HOSTNAME=5ee876f707b2  
LANGUAGE=en\_US:en  
PWD=/tmp/correction/4995956342673230641816152160357172542717\_5/235/503933  
TZ=America/Los\_Angeles  
HOME=/tmp  
LANG=en\_US.UTF-8  
SHLVL=2  
LC\_ALL=en\_US.UTF-8  
PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
OLDPWD=/  
\_=/usr/bin/env  
[VALGRIND]:  
==1411== Memcheck, a memory error detector  
==1411== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
==1411== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
==1411== Command: ./hsh  
==1411== Parent PID: 1408  
==1411==   
==1412==   
==1412== HEAP SUMMARY:  
==1412== in use at exit: 120 bytes in 1 blocks  
==1412== total heap usage: 9 allocs, 8 frees, 4,356 bytes allocated  
==1412==   
==1412== LEAK SUMMARY:  
==1412== definitely lost: 0 bytes in 0 blocks  
==1412== ind... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=01a9085c62a31dc2c9797ea0b97c5285b0a8e951fd1dcb0cb887bec55467179e)**,** [**cd\_no\_arg\_change\_home.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/cd/cd_no_arg_change_home.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=84c3a8bce8542af735c678440f3a30b877ba8e11a1b778dc2716f2a27c12e0d7)**Full error (available only 10days) :** [**235\_1044\_19830\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1044_19830_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091012Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=10f98b366fd30a79a50aa6c60fd3668a4fa8631bbca27f0785bd674d9bdee666)

**TASK 11**

### 11. ;

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Handle the commands separator ;**

**alex@~$ ls /var ; ls /var**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /hbtn ; ls /var**

**ls: cannot access /hbtn: No such file or directory**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /var ; ls /hbtn**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**ls: cannot access /hbtn: No such file or directory**

**alex@~$ ls /var ; ls /hbtn ; ls /var ; ls /var**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**ls: cannot access /hbtn: No such file or directory**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Test cmd ; cmd ; cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls ; /bin/ls ; /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 534)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmd\_sep\_cmd\_sep\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmd_sep_cmd_sep_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4db9d1cd51ee7c3a3f3f29e3d3cf28721351b9e5c292e14c6af42332079c9b7d)**Full error (available only 10days) :** [**235\_1045\_19833\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19833_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3dd00fcf515af629022142927cf460f3c096f99627fa4d58de2a6df083e21e52)
* **Correct output - case: Test cmdfail ; cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW ; /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 174)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==251== Memcheck, a memory error detector  
  ==251== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==251== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==251== Command: ./hsh  
  ==251== Parent PID: 248  
  ==251==   
  ==252==   
  ==252== HEAP SUMMARY... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmdfail\_sep\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmdfail_sep_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=b84cd6028ecd7ebe92847d48274977cfa58c6dba2981e8aaea7783ba1d5592f3)**Full error (available only 10days) :** [**235\_1045\_19834\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19834_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9b85d3278670519b826511b525781ed398e8e423d212277befc43c18fab20fcf)
* **Correct output - case: Test cmdfail ; cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW ; /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  /bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 120)  
  (status)[2]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==415== Memcheck, a memory error detector  
  ==415== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==415== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==415== Command: ./hsh  
  ==415== Parent PID: 412  
  ==415==   
  ==416==   
  ==416== HEAP SUMMARY:  
  ==416== in use at exit: 120 bytes in 1 blocks  
  ==416== total heap usage: 9 allocs, 8 frees, 4,542 by... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmdfail\_sep\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmdfail_sep_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=37492ddc7f30d9a1f5ae9ce727b3e4a944e1d54be4c043432a966197c0560394)**Full error (available only 10days) :** [**235\_1045\_19835\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19835_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d8422f3717f89e270ed56cb75f4fb39000899e887daa8ea75ea28ee62806c0e8)
* **Correct output - case: Test cmd;cmd (no space)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls;/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd\_no\_space.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd\_no\_space.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 358)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==579== Memcheck, a memory error detector  
  ==579== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==579== Using Valgrind-3.15.0 and LibVEX; rerun... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmd\_sep\_cmd\_no\_space.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmd_sep_cmd_no_space.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6e648311cc40410a4f15a577204ff7a3703cd09843f3523d85909c9e9bffc02c)**Full error (available only 10days) :** [**235\_1045\_19836\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19836_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f7fa27f0230b3512191200f5bdb2d3049d12566d2431883a51cf05ecde6a64a2)
* **Correct output - case: Test cmd ;  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls ;" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 166)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==743== Memcheck, a memory error detector  
  ==743== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==743== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==743== Command: ./hsh  
  ==743== Parent PID: 740  
  ==743==   
  ==744==   
  ==744== HEAP SUMMARY:  
  ==744== in use at exit: 120 bytes in 1 blocks  
  ==744== total heap usage: 9 all... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmd\_sep.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmd_sep.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d2338739fa60b2571c6871aef599353692c9d6bd5d51c908b31ca74987929af5)**Full error (available only 10days) :** [**235\_1045\_19837\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19837_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2b1a78514c02db900a3fc4f9d28414f838be73a0caecadf9cb75f784756e1ac9)
* **Correct output - case: Test cmd ; cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls ; /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_sep\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 340)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=69e8feabb61b  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/6298745024885069736437350987724345548844\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==907== Memcheck, a memory error detector  
  ==907== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==907== Using Valgrind-3.15.0 and LibVEX; rerun with -h for cop... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bdf43344c077625f83035ec54830391651dd1299e4b3c914e55044f3b7375eef)**,** [**cmd\_sep\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/separator/cmd_sep_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=72d72e3c018983ef9716d33ea31beaecd94d8678f99fb376afc9b0459239e563)**Full error (available only 10days) :** [**235\_1045\_19838\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1045_19838_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091142Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8376c20d181281ad9d04f1d916b0aceb1b2b2c1e6b4a5ab3ef3b580e387f6c42)

**TASK 12**

### 12. && and ||

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Handle the && and || shell logical operators**

**alex@~$ ls /var && ls /var**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /hbtn && ls /var**

**ls: cannot access /hbtn: No such file or directory**

**alex@~$ ls /var && ls /var && ls /var && ls /hbtn**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**ls: cannot access /hbtn: No such file or directory**

**alex@~$ ls /var && ls /var && ls /var && ls /hbtn && ls /hbtn**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**ls: cannot access /hbtn: No such file or directory**

**alex@~$**

**alex@~$ ls /var || ls /var**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /hbtn || ls /var**

**ls: cannot access /hbtn: No such file or directory**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /hbtn || ls /hbtn || ls /hbtn || ls /var**

**ls: cannot access /hbtn: No such file or directory**

**ls: cannot access /hbtn: No such file or directory**

**ls: cannot access /hbtn: No such file or directory**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$ ls /hbtn || ls /hbtn || ls /hbtn || ls /var || ls /var**

**ls: cannot access /hbtn: No such file or directory**

**ls: cannot access /hbtn: No such file or directory**

**ls: cannot access /hbtn: No such file or directory**

**backups cache crash lib local lock log mail metrics opt run spool tmp**

**alex@~$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Test cmd&&cmd (no space)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls&&/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_no\_space.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_no\_space.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 358)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==84== Memcheck, a memory error detector  
  ==84== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==84== Using Valgrind-3.15.0 and LibVEX; rerun w... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmd\_no\_space.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmd_no_space.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d47fb842be7d25b086fe2154651e99e14af2e996e38baa72feadc3934ed3ff05)**Full error (available only 10days) :** [**235\_1046\_19841\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19841_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=814e0f28efeb3bc83bfe9921c8c49c2351ab9c4d0e3a34856921b8bb11a2fd13)
* **Correct output - case: Test cmd && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 340)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==248== Memcheck, a memory error detector  
  ==248== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==248== Using Valgrind-3.15.0 and LibVEX; rerun with -h for co... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d90d439c8b8091a7fa09bd774ae6bd980c0b604ff9bc6366f4e13a74370c4914)**Full error (available only 10days) :** [**235\_1046\_19842\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19842_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=45ce710bc9e884e5783d9f8819e01786e6941482687dde20eaa1198a51b4ac16)
* **Correct output - case: Test cmd && cmd && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 534)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmd\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmd_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=701f871f5a86f26817d107fa096d8a06d428fa2263944fd57b207fe3a34c3ffc)**Full error (available only 10days) :** [**235\_1046\_19843\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19843_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2c29c264702f28bade1eb8d52398c44baf9e60292e7aff190b11687cb3bb89b6)
* **Correct output - case: Test cmd && cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmdfail.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 174)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==577== Memcheck, a memory error detector  
  ==577== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==577== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==577== Command: ./hsh  
  ==577== Parent PID: 574  
  ==577==   
  ==578==   
  ==578== HEAP SUMMAR... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=686d1a9b2e8fe58ca8cd6395740e083395cc136bd264f41176cb4fe6a713dd8d)**Full error (available only 10days) :** [**235\_1046\_19844\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19844_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=bcd57ed24ed30398a2704b190212203b5d50b883437d314b345ea280a2949bd1)
* **Correct output - case: Test cmd && cmdfail && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls hbtnFTW && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmdfail\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 182)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==741== Memcheck, a memory error detector  
  ==741== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==741== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==741== Command: ./hsh  
  ==741== Parent PID: 738  
  ==741==   
  ==742==   
  ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmdfail\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmdfail_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d370d8d499d74841cc585161a987d144100b5462437aab22bedb02953321ecc9)**Full error (available only 10days) :** [**235\_1046\_19845\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19845_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=7ffcc9b98e54c52cb24214cc876b1727278b6ce5c0dfff7b3c70721e79ac3157)
* **Correct output - case: Test cmdfail && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==905== Memcheck, a memory error detector  
  ==905== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==905== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==905== Command: ./hsh  
  ==905== Parent PID: 902  
  ==905==   
  ==906==   
  ==906== HEAP SUMMARY:  
  ==906== in use at exit: 120 bytes in 1 blocks  
  ==906== total heap usage: 9 allocs, 8 frees, 4,500 bytes allocated  
  ==906==   
  ==906== LEAK SUMMARY:  
  ==906== definitely l... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmdfail_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=51f2987b6993f3dd45ebc54ea33f54abd92b0e84b74917878aa26b8f41741152)**Full error (available only 10days) :** [**235\_1046\_19846\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19846_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=266c403be2b8986a66bf8aee7bf9b18d57ae0b9c7cc72e0fa4aaff0f8b173071)
* **Correct output - case: Test cmd && cmd && cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls && /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_and\_cmdfail.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmd\_and\_cmdfail.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 364)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1068== Memcheck, a memory error detector  
  ==1068== Copyright (C) 2002-2... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmd\_and\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmd_and_cmd_and_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=1ffa6e785459c4406decced67d37bebce0101eac50a0be42a5135d5a45c7ef68)**Full error (available only 10days) :** [**235\_1046\_19847\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19847_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0a8f4e52ec09284cfb5692cc04604741cf2d770874692934b127e8489907ad97)
* **Correct output - case: Test cmdfail && cmd && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW && /bin/ls && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1233== Memcheck, a memory error detector  
  ==1233== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1233== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1233== Command: ./hsh  
  ==1233== Parent PID: 1230  
  ==1233==   
  ==1234==   
  ==1234== HEAP SUMMARY:  
  ==1234== in use at exit: 120 bytes in 1 blocks  
  ==1234== total heap usage: 9 allocs, 8 frees, 4,566 bytes allocated  
  ==1234==   
  ==1234== LEAK SUMMARY:... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_and\_cmd\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and/cmdfail_and_cmd_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d95f44cc6392afe845d8eb70bdd403b7fc649fd89d4cff027d50555666e4c6a4)**Full error (available only 10days) :** [**235\_1046\_19848\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19848_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=fc8c25b0ee5ce0ccbce863c4115048d9192dd897cf8f6edea74393c5499bf940)
* **Correct output - case: Test cmd || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 169)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1396== Memcheck, a memory error detector  
  ==1396== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1396== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1396== Command: ./hsh  
  ==1396== Parent PID: 1393  
  ==1396==   
  ==1397==   
  ==1397== HEAP SUMMARY:  
  ==1397== in use at exit: 120 bytes in 1 blocks  
  ==1397== ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmd_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6c739e5a269f32bd2a48369bf64c5d599ffca32c0a46746233b0bbf89030cd36)**Full error (available only 10days) :** [**235\_1046\_19849\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19849_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9016fb13459fdfab92a59b6dac95867d7579dd818c300c6654919eea33f1c608)
* **Correct output - case: Test cmd || cmd || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls || /bin/ls || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_or\_cmd\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 176)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1560== Memcheck, a memory error detector  
  ==1560== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1560== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1560== Command: ./hsh  
  ==1560== Parent PID: 1557  
  ==1560==   
  ==1561==   
  ==1561== HEAP SUMMARY:  
  ==1561== in use at exit: 120 bytes in 1 ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_or\_cmd\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmd_or_cmd_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dbb4a51e9eede440b1418249876309c6b5911de229f53f4f824ac9639693901f)**Full error (available only 10days) :** [**235\_1046\_19850\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19850_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=650b1095bdb87c7eca7efe544f11e2f809bbbbc0acc7097678b8e52805229c86)
* **Correct output - case: Test cmdfail || cmd || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW || /bin/ls || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_or\_cmd\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 180)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1723== Memcheck, a memory error detector  
  ==1723== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1723== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1723== Command: ./hsh  
  ==1723== Parent PID: 1720  
  ==1723==   
  ==17... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmd\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmdfail_or_cmd_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2876d9d0438bdd1d0dc145aab6d01dd79b78af882c478299296db61f1bfa76ab)**Full error (available only 10days) :** [**235\_1046\_19851\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19851_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=83f1072d2b3a785fd0379b7d463f727773976008d25469000ef3c89a58dd1fd3)
* **Correct output - case: Test cmdfail||cmd (no space)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW||/bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_or\_cmd\_no\_space.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 182)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1887== Memcheck, a memory error detector  
  ==1887== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1887== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1887== Command: ./hsh  
  ==1887== Parent PID: 1884  
  ==1887==   
  ==1888==   
  ==188... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmd\_no\_space.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmdfail_or_cmd_no_space.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9e99019c1f77a817f67489b772d193db930bb8b50392ab4009bd8062c3d5189d)**Full error (available only 10days) :** [**235\_1046\_19852\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19852_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3e25cbc9adbcdae26ba359d27678d3b1934fbb3c5b2fc46a2f44420e598efb02)
* **Correct output - case: Test cmd || cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls || /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_or\_cmdfail.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 173)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2051== Memcheck, a memory error detector  
  ==2051== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2051== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2051== Command: ./hsh  
  ==2051== Parent PID: 2048  
  ==2051==   
  ==2052==   
  ==2052== HEAP SUMMARY:  
  ==2052== in use at exit: 120 bytes in 1 blocks... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_or\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmd_or_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=485be59a53b27c4b6c0244e374baa95264c0137acef8aa5fc7fd2bf97a7a6689)**Full error (available only 10days) :** [**235\_1046\_19853\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19853_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=cab1d156ad42a6bb6a32f1b6a1fee977093be6c02df473fb9f9b73fc3c5f1df8)
* **Correct output - case: Test cmdfail || cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW || /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  /bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 120)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2215== Memcheck, a memory error detector  
  ==2215== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2215== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2215== Command: ./hsh  
  ==2215== Parent PID: 2212  
  ==2215==   
  ==2216==   
  ==2216== HEAP SUMMARY:  
  ==2216== in use at exit: 120 bytes in 1 blocks  
  ==2216== total heap usage: 9 allocs, 8 fre... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmdfail_or_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a7287326ef7b9afa6c27df56ba66662ec86fe58d217630c7d26b47cd1d9e5954)**Full error (available only 10days) :** [**235\_1046\_19854\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19854_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c612b43c015bb651d16a440b49aa9457208dcc2e39d868e61745884c96ee9bdd)
* **Correct output - case: Test cmd || cmdfail || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls || /bin/ls hbtnFTW || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_or\_cmdfail\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 180)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2379== Memcheck, a memory error detector  
  ==2379== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2379== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2379== Command: ./hsh  
  ==2379== Parent PID: 2376  
  ==2379==   
  ==2380==   
  ==2380== HEAP SUMMARY:  
  ==2380== in use at exit: 120... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_or\_cmdfail\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmd_or_cmdfail_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=678849b374f28377157a8230a8788f6b01ddb13e02d53abf9634278c2690680f)**Full error (available only 10days) :** [**235\_1046\_19855\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19855_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=88d2f24d0adb48e1ac9d0cdf5c17e6022090e14ea4444fb0b054d41b70c9eeda)
* **Correct output - case: Test cmdfail || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 173)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2542== Memcheck, a memory error detector  
  ==2542== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2542== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2542== Command: ./hsh  
  ==2542== Parent PID: 2539  
  ==2542==   
  ==2543==   
  ==2543== HEA... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmdfail_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3cd66ddacb704e6617ca8a5c96e23b5ffdda75215b1b1d529cc4ebe29d1dc7c6)**Full error (available only 10days) :** [**235\_1046\_19856\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19856_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=827720d7e3108d621444ff444aeed40620200842d2f8c3153c9f56809734a77d)
* **Correct output - case: Test cmdfail || cmdfail || cmdfail  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW || /bin/ls hbtnFTW || /bin/ls hbtnFTW" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  /bin/ls: cannot access 'hbtnFTW': No such file or directory  
  /bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 180)  
  (status)[2]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2707== Memcheck, a memory error detector  
  ==2707== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==2707== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==2707== Command: ./hsh  
  ==2707== Parent PID: 2704  
  ==2707==   
  ==2708==   
  ==2708== HEAP SUMMARY:  
  ==2708== in ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmdfail\_or\_cmdfail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_or/cmdfail_or_cmdfail_or_cmdfail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=26399914f02c1443220285550d83f5ef4abd04a560a3c67073d86857a0a2c300)**Full error (available only 10days) :** [**235\_1046\_19857\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19857_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d90dccf29ecc443c22ef502d360f819a5a246dbd4ece27f5585ead7d8eb6dfe7)
* **Correct output - case: Test cmdfail || cmd && cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls hbtnFTW || /bin/ls && /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_or\_cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmdfail\_or\_cmd\_and\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 362)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==2872== Memcheck, a memory error detector  
  ==2872== Copyright (C) 2002-201... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmdfail\_or\_cmd\_and\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and_or/cmdfail_or_cmd_and_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f1299b382256da396e3f05e28852250bde7e1191610a54518d951d1aae42bc3b)**Full error (available only 10days) :** [**235\_1046\_19858\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19858_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=1fd18e43e74376ddb8dc69890f3841ba2fac346952a450959986558a2080a705)
* **Correct output - case: Test cmd && cmdfail || cmd  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls && /bin/ls hbtnFTW || /bin/ls" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmdfail\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  cmd\_and\_cmdfail\_or\_cmd.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 362)  
  (stderr)[/bin/ls: cannot access 'hbtnFTW': No such file or directory  
  ](Length: 60)  
  (status)[0]  
  Environment:  
  HOSTNAME=26f158c407e2  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/9732274569195959762223082601440342262565\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==3037== Memcheck, a memory error detector  
  ==3037== Copyright (C) 2002-201... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=302dd086c791bf0555ecfe91182b65dec87b1edc95b00b9c78812e487df7e8a0)**,** [**cmd\_and\_cmdfail\_or\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/logic_ops_and_or/cmd_and_cmdfail_or_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=12fd584d69eb306903dd16fe0b8fe681890b32b7cc569a52d48544e1c24f09c7)**Full error (available only 10days) :** [**235\_1046\_19859\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1046_19859_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091253Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=dc3bef37ff2f569dc7d71b8a3b79770c09e4f4a5f31b4298e5f45f06b050d75a)

**TASK 13**

### 13. alias

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Implement the alias builtin command**
* **Usage: alias [name[='value'] ...]**
  + **alias: Prints a list of all aliases, one per line, in the form name='value'**
  + **alias name [name2 ...]: Prints the aliases name, name2, etc 1 per line, in the form name='value'**
  + **alias name='value' [...]: Defines an alias for each name whose value is given. If name is already an alias, replaces its value with value**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Set an alias to /bin/ls and call ‘alias’ to display the alias list  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias ls\_alias=/bin/ls  
  alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[ls\_alias='/bin/ls'  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==84== Memcheck, a memory error detector  
  ==84== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==84== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==84== Command: ./hsh  
  ==84== Parent PID: 81  
  ==84==   
  ==99==   
  ==99== HEAP SUMMARY:  
  ==99== in use at exit: 120 bytes in 1 blocks  
  ==99== total heap usage: 9 allocs, 8 frees, 4,476 bytes allocated  
  ==99==   
  ==99== LEAK SUMMARY:  
  ==99== definitely lost: 0 bytes in 0 blocks  
  ==99== ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_list.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_list.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4f3604d2a09784394e5841f0dad75d6fd47ab963eb37c369769c7cb82daac184)**Full error (available only 10days) :** [**235\_1047\_19862\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19862_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a1ccb9d7151ca6a8bf62c8ac9c3263841991a9b49d6926dd11ac312e7f71f7b0)
* **Correct output - case: Set an alias to /bin/ls and an alias to this alias, then call the second alias  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias ls\_alias=/bin/ls  
  alias ls\_alias\_alias=ls\_alias  
  ls\_alias\_alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias\_ls\_double.bash  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 174)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==248== Memcheck, a memory error detector  
  ==248== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==248== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==248== Command: ./hsh  
  ==248== Parent PID: 245  
  ==248==   
  ==249==   
  ==2... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_ls\_double.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_ls_double.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4c0529eb87b795811d019a7fa47a359d7cf6edd9b9d51183d0a70a2f346467fa)**Full error (available only 10days) :** [**235\_1047\_19863\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19863_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=edcf186e24df2789818670d996211e0a9499a928e070fb06a3ec9dcbad64e927)
* **Correct output - case: Set three aliases using alias alias1=value1 alias2=value2 ... and display them using alias  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias alias1=/bin/ls alias2=/bin/echo alias3=/bin/pwd  
  alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias1='/bin/ls'  
  alias2='/bin/echo'  
  alias3='/bin/pwd'  
  ](Length: 54)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==415== Memcheck, a memory error detector  
  ==415== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==415== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==415== Command: ./hsh  
  ==415== Parent PID: 412  
  ==415==   
  ==416==   
  ==416== HEAP SUMMARY:  
  ==416== in use at exit: 120 bytes in 1 blocks  
  ==416== total heap usage: 9 allocs, 8 frees, 4,662 bytes allocated  
  ==416==   
  ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_several.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_several.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a9f83364919d8343964558115f347312a5afbd6ca50a18ecf6df67aef7d79dd2)**Full error (available only 10days) :** [**235\_1047\_19864\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19864_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c627224d97fd2de6689956167e19d979245477074cf64d5ffdb29ba94befb289)
* **Correct output - case: Set three aliases and display two of them using alias alias1 alias2  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias alias1=/bin/ls  
  alias alias2=/bin/echo  
  alias alias3=/bin/pwd  
  alias alias1 alias3" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  Command not found  
  ](Length: 73)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias1='/bin/ls'  
  alias3='/bin/pwd'  
  ](Length: 35)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==579== Memcheck, a memory error detector  
  ==579== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==579== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==579== Command: ./hsh  
  ==579== Parent PID: 576  
  ==579==   
  ==580==   
  ==580== HEAP SUMMARY:  
  ==580== in use at exit: 120 bytes in 1 blocks  
  ==580== total heap usage: 9 alloc... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_specific.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_specific.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=7e00a81e00643b0bed6ce317c2e682275c6b0d414b9ab9651b95c2e881d7c806)**Full error (available only 10days) :** [**235\_1047\_19865\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19865_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=e8a5e188b9f53c7925a69b23341f7222baa106084dc8e00d31e42a7a1f2e3008)
* **Correct output - case: Set aliases and display in the same command using alias alias1=value1 alias2 alias3=value3 ...  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias alias1=/bin/ls alias2=/bin/echo alias1 alias3=/bin/pwd alias1=/bin/echo alias1 alias2" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias1='/bin/ls'  
  alias1='/bin/echo'  
  alias2='/bin/echo'  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==747== Memcheck, a memory error detector  
  ==747== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==747== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==747== Command: ./hsh  
  ==747== Parent PID: 744  
  ==747==   
  ==748==   
  ==748== HEAP SUMMARY:  
  ==748== in use at exit: 120 bytes in 1 blocks  
  ==748== total heap usage: 9 allocs, 8 frees, 4,890 bytes allo... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_several\_and\_display.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_several_and_display.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=93033775b68203e9fbcfd9f20b9d1fa7d3480f949385f1fda9ab120256ee35dc)**Full error (available only 10days) :** [**235\_1047\_19866\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19866_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ae18d1d52df3821f726ab72e79ce764490bafaf51b3dd0245b1c3b4f0a015763)
* **Correct output - case: Set an alias to /bin/ls and call it  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias ls\_alias=/bin/ls  
  ls\_alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias\_ls.bash  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  ](Length: 167)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==909== Memcheck, a memory error detector  
  ==909== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==909== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==909== Command: ./hsh  
  ==909== Parent PID: 906  
  ==909==   
  ==910==   
  ==910== HEAP SUMMARY:  
  ==910== in use at exit: 120 bytes in 1... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_ls.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_ls.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=cec3e64fab648dfd12dca94825d01f7e6cb09661fbe1b1879fac4671a511c5cd)**Full error (available only 10days) :** [**235\_1047\_19867\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19867_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a090e25168f23c1cd6a6247312cdd30443596f586ffb9bce3e9ab0924d72c6d9)
* **Correct output - case: Set one alias using alias alias1=value1 alias1=value2 ... and display it using alias  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias alias1=/bin/ls alias1=/bin/echo alias1=/bin/pwd  
  alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[alias1='/bin/pwd'  
  ](Length: 18)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1074== Memcheck, a memory error detector  
  ==1074== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1074== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1074== Command: ./hsh  
  ==1074== Parent PID: 1071  
  ==1074==   
  ==1075==   
  ==1075== HEAP SUMMARY:  
  ==1075== in use at exit: 120 bytes in 1 blocks  
  ==1075== total heap usage: 9 allocs, 8 frees, 4,662 bytes allocated  
  ==1075==   
  ==1075== LEAK SUMMARY:  
  =... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_several\_override.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_several_override.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=75901356c92d6010be57e5ae096fe1540ec31ab3f441a5becf2ab26a95c29d0d)**Full error (available only 10days) :** [**235\_1047\_19868\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19868_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4b2f59a7ae254418c8c9d5a62b89dc7401ca6ba8613fd37202982f39aadcc0a8)
* **Correct output - case: Set an alias twice to test that it is overwritten  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "alias TEST\_OVERWRITE=b  
  alias TEST\_OVERWRITE=hbtn  
  alias" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[TEST\_OVERWRITE='hbtn'  
  ](Length: 22)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=7121f5695074  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0335598109859907980936110891454712681706\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1238== Memcheck, a memory error detector  
  ==1238== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1238== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1238== Command: ./hsh  
  ==1238== Parent PID: 1235  
  ==1238==   
  ==1239==   
  ==1239== HEAP SUMMARY:  
  ==1239== in use at exit: 120 bytes in 1 blocks  
  ==1239== total heap usage: 9 allocs, 8 frees, 4,476 bytes allocated  
  ==1239==   
  ==1239=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d3b68fed3f51f7576345cdd0599c0067a548f6ad18f3031c038973f9312092fa)**,** [**alias\_overwrite.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/alias/alias_overwrite.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=5bd937a5cc08b921428a46aed7e1d7db8761f4fe9bb471fd22ab70e3bda5aa61)**Full error (available only 10days) :** [**235\_1047\_19869\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1047_19869_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091345Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=ea3e32b4a3650c5c5de34f10fa926ad0fefa01e7aa6bc0599afba10aa9f94ab0)

**TASK 14**

### 14. Variables

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Handle variables replacement**
* **Handle the $? variable**
* **Handle the $$ variable**

**julien@ubuntu:~/shell$ ./hsh**

**$ ls /var**

**backups cache crash lib local lock log mail metrics opt run snap spool tmp**

**$ echo $?**

**0**

**$ echo $$**

**5104**

**$ echo $PATH**

**/home/julien/bin:/home/julien/.local/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin**

**$ exit**

**julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute a command that fails, and display its status with echo $?  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls /hbtn  
  echo \$?" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[2  
  ](Length: 2)  
  (stderr)[/bin/ls: cannot access '/hbtn': No such file or directory  
  ](Length: 58)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==84== Memcheck, a memory error detector  
  ==84== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==84== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==84== Command: ./hsh  
  ==84== Parent PID: 81  
  ==84==   
  ==85==   
  ==85== HEAP SUMMARY:  
  ==85== in use at exit: 120 bytes in 1 blocks  
  ==85== total heap usage: 9 allocs, 8 frees, 4,422 bytes allocated  
  ==85==   
  ==85== LEAK SUMMARY:  
  ==85== definitely l... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_status\_fail.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_status_fail.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9aefe28a90c3fd2aa13c7b53637903b2512d2104e02c209b8d170593461d3885)**Full error (available only 10days) :** [**235\_1048\_19872\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19872_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=27a45c2db4c44ce588e5d83406541eb637da994061c6d16b41e0bb67db8f6b2e)
* **Correct output - case: Execute /bin/ls $HBTN\_DIR where HBTN\_DIR is “/var”  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls \$HBTN\_DIR" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[backups  
  cache  
  lib  
  local  
  lock  
  log  
  mail  
  opt  
  run  
  spool  
  tmp  
  ](Length: 56)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  HBTN\_DIR=/var  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==250== Memcheck, a memory error detector  
  ==250== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==250== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==250== Command: ./hsh  
  ==250== Parent PID: 247  
  ==250==   
  ==251==   
  ==251== HEAP SUMMARY:  
  ==251== in use at exit: 120 bytes in 1 blocks  
  ==251== total heap usage: 9 allocs, 8 frees, 4,446 bytes allocated  
  ==251==   
  ==251== LEAK SUMMARY:  
  ==251== definitely... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**ls\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/ls_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=fd5c837e1709542a545700dc4bfd21c80f71f06ffc2b716ea07796a8f7e0dce0)**Full error (available only 10days) :** [**235\_1048\_19873\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19873_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a2b861aee80677e25ba899dabd17edb39eea659c2fc6d5a54655c6dd47fcd71b)
* **Correct output - case: Execute a command that succeeds and display its status with echo $?  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/ls  
  echo \$?" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  ](Length: 37)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  echo\_status.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  \_simple\_shell.c  
  0  
  ](Length: 172)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==413== Memcheck, a memory error detector  
  ==413== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==413== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==413== Command: ./hsh  
  ==413== Parent PID: 410  
  ==413==   
  ==414==   
  ==414== HEAP SUMMARY:  
  ==414== in use at exit: 120 bytes in 1 blocks  
  ==... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_status.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_status.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6bae749257fa20ca3835ed245a3a06bcfe9e1c64f4add6e5aef41f056dbc49ed)**Full error (available only 10days) :** [**235\_1048\_19874\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19874_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=52d348783454773238885594b5375ff372781db444b2ff4b2ee93c8c76939a7d)
* **Correct output - case: Set the variable HBTN\_ECHO to be /bin/echo, and execute $HTBN\_ECHO hbtn  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "\$HBTN\_ECHO hbtn" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[hbtn  
  ](Length: 5)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  HBTN\_ECHO=/bin/echo  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==578== Memcheck, a memory error detector  
  ==578== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==578== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==578== Command: ./hsh  
  ==578== Parent PID: 575  
  ==578==   
  ==579==   
  ==579== HEAP SUMMARY:  
  ==579== in use at exit: 120 bytes in 1 blocks  
  ==579== total heap usage: 9 allocs, 8 frees, 4,434 bytes allocated  
  ==579==   
  ==579== LEAK SUMMARY:  
  ==579== definitely lost: 0 bytes in 0 blocks  
  ==579== indirectly... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_as\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_as_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=89c346c5153540dd52a68d4dd44f013083c3cb2a2e8f06b4b5674472f039c342)**Full error (available only 10days) :** [**235\_1048\_19875\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19875_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c70d6d2329aea0cc4b3b28a3ed9d405e6f0d8d2d898d095281ede0a076823db2)
* **Correct output - case: Execute echo $HBTN\_UNDEF where HBTN\_UNDER does not exist  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "echo \$HBTN\_UNDEF" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==741== Memcheck, a memory error detector  
  ==741== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==741== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==741== Command: ./hsh  
  ==741== Parent PID: 738  
  ==741==   
  ==742==   
  ==742== HEAP SUMMARY:  
  ==742== in use at exit: 120 bytes in 1 blocks  
  ==742== total heap usage: 9 allocs, 8 frees, 4,440 bytes allocated  
  ==742==   
  ==742== LEAK SUMMARY:  
  ==742== definitely lost: 0 bytes in 0 blocks  
  ==742== indirectly lost: 0 bytes in 0 blo... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_unknown\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_unknown_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=f93700407d4c040e144a6403990600ef3b2988665bd0edb5ed7bb9183ac16a58)**Full error (available only 10days) :** [**235\_1048\_19876\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19876_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2da6c99eddcb32d15983564b654373e768b6635fd4327190f52e991f2ebc610a)
* **Correct output - case: Display shell PID with echo $$  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "echo \$\$" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[904  
  ](Length: 4)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==904== Memcheck, a memory error detector  
  ==904== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==904== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==904== Command: ./hsh  
  ==904== Parent PID: 901  
  ==904==   
  ==905==   
  ==905== HEAP SUMMARY:  
  ==905== in use at exit: 120 bytes in 1 blocks  
  ==905== total heap usage: 9 allocs, 8 frees, 4,386 bytes allocated  
  ==905==   
  ==905== LEAK SUMMARY:  
  ==905== definitely lost: 0 bytes in 0 blocks  
  ==905== indirectly lost: 0 bytes in 0 blocks  
  =... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_pid.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_pid.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2d893e7c5a732faace21f50495cfd7229068a8304a1d5be5f87ec60205e42d49)**Full error (available only 10days) :** [**235\_1048\_19877\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19877_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=03f632ace1552f82211833aeca7f411e7bed14df463a4f6fc651dbcbca5a401b)
* **Correct output - case: Execute echo 3 times, one of them with $ $ (no variable)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "echo HBTN  
  echo \$ \$  
  echo HBTN" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  Command not found  
  Command not found  
  ](Length: 55)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[HBTN  
  $ $  
  HBTN  
  ](Length: 14)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1070== Memcheck, a memory error detector  
  ==1070== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1070== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1070== Command: ./hsh  
  ==1070== Parent PID: 1067  
  ==1070==   
  ==1071==   
  ==1071== HEAP SUMMARY:  
  ==1071== in use at exit: 120 bytes in 1 blocks  
  ==1071== total heap usage: 9 allocs, 8 frees, 4,398 bytes allocated  
  ==1071==   
  ==1071== LEAK SUMMARY:  
  ==1071== defi... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_pid\_fake.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_pid_fake.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=9e0d08f15861a8d756eab596851e997d52f04ad8ced399818ce6c49fb7d73574)**Full error (available only 10days) :** [**235\_1048\_19878\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19878_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d31fd54b789b44987937efffa19950f087a428866a755cff0043a3890ec62907)
* **Correct output - case: Execute echo $HBTN\_VAR where HBTN\_VAR contains a string  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "echo \$HBTN\_VAR" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[Holberton School  
  ](Length: 17)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=2853a2fc185c  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/0144325516637838360465987602502709344614\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  HBTN\_VAR=Holberton School  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==1236== Memcheck, a memory error detector  
  ==1236== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==1236== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==1236== Command: ./hsh  
  ==1236== Parent PID: 1233  
  ==1236==   
  ==1237==   
  ==1237== HEAP SUMMARY:  
  ==1237== in use at exit: 120 bytes in 1 blocks  
  ==1237== total heap usage: 9 allocs, 8 frees, 4,428 bytes allocated  
  ==1237==   
  ==1237== LEAK SUMMARY:  
  ==1237== definitely lost: 0 bytes i... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0afe4cbe24107bd0bb5e6e70bc03314c38cb5d46f7746b80f14ecbddaf76e979)**,** [**echo\_var.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/variables/echo_var.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3f50533048f6c5d1b1fcb809e0c07de289332494a6cd3e67b0fc680f570f618a)**Full error (available only 10days) :** [**235\_1048\_19879\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1048_19879_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091453Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=a0da4a5aeb2ef5201b3092456a71212931c3e9aafb24f655d6ed90cc0cc7527a)

**TSK 15**

### 15. Comments

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Handle comments (#)**

**julien@ubuntu:~/shell$ sh**

**$ echo $$ # ls -la**

**5114**

**$ exit**

**julien@ubuntu:~/shell$**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: Execute /bin/echo #Comment (nothing should be printed)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/echo #This is a comment" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=d3f40137d043  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7406386418575295372514429039230897832570\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==85== Memcheck, a memory error detector  
  ==85== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==85== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==85== Command: ./hsh  
  ==85== Parent PID: 82  
  ==85==   
  ==86==   
  ==86== HEAP SUMMARY:  
  ==86== in use at exit: 120 bytes in 1 blocks  
  ==86== total heap usage: 9 allocs, 8 frees, 4,512 bytes allocated  
  ==86==   
  ==86== LEAK SUMMARY:  
  ==86== definitely lost: 0 bytes in 0 blocks  
  ==86== indirectly lost: 0 bytes in 0 blocks  
  ... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59a9d05bc061238b1919882caceab3eece378d33df94f5c874bf2228f0aa289f)**,** [**comment\_after\_cmd.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/comments/comment_after_cmd.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=3aa40dc5951ede6dacb760c1d42deac3d47897a1cf7730bc463312070c270647)**Full error (available only 10days) :** [**235\_1049\_19882\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1049_19882_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d7f0478e6b3d9b1b6d2afe949d324e7b0ebe02a13af39cf983b73503fe74c0be)
* **Correct output - case: Echo a string containing a # symbol inside a word (not a comment)  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/echo HBTN#This is a comment" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[HBTN#This is a comment  
  ](Length: 23)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=d3f40137d043  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7406386418575295372514429039230897832570\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==248== Memcheck, a memory error detector  
  ==248== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==248== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==248== Command: ./hsh  
  ==248== Parent PID: 245  
  ==248==   
  ==249==   
  ==249== HEAP SUMMARY:  
  ==249== in use at exit: 120 bytes in 1 blocks  
  ==249== total heap usage: 9 allocs, 8 frees, 4,536 bytes allocated  
  ==249==   
  ==249== LEAK SUMMARY:  
  ==249== definitely lost: 0 bytes in 0 blocks  
  ==249=... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59a9d05bc061238b1919882caceab3eece378d33df94f5c874bf2228f0aa289f)**,** [**comment\_after\_cmd\_print\_no\_space.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/comments/comment_after_cmd_print_no_space.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4d321942c6443726814adf62e882a78a80cb1aad81f35c9cb9d7e4bd182cf6b3)**Full error (available only 10days) :** [**235\_1049\_19883\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1049_19883_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=6e645671a5238b9d6dcd772d680b8f154b37df49178bbb7455a3fdf629f9c477)
* **Correct output - case: The command line starts with the # symbol  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "# This is a comment" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=d3f40137d043  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7406386418575295372514429039230897832570\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==411== Memcheck, a memory error detector  
  ==411== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==411== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==411== Command: ./hsh  
  ==411== Parent PID: 408  
  ==411==   
  ==412==   
  ==412== HEAP SUMMARY:  
  ==412== in use at exit: 120 bytes in 1 blocks  
  ==412== total heap usage: 9 allocs, 8 frees, 4,458 bytes allocated  
  ==412==   
  ==412== LEAK SUMMARY:  
  ==412== definitely lost: 0 bytes in 0 blocks  
  ==412== indirectly lost: 0 bytes in 0 bl... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59a9d05bc061238b1919882caceab3eece378d33df94f5c874bf2228f0aa289f)**,** [**comment.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/comments/comment.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=257aab7f2862d1e307d4532aec2334a85fc3447e257bfca327f653d0d85fd13e)**Full error (available only 10days) :** [**235\_1049\_19884\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1049_19884_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=2bfe192f825373608a7ce8804477e6cb05a2d8670719f011780df68b729a380a)
* **Correct output - case: Echo a word followed by a comment  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/echo HBTN #This is a comment" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[HBTN  
  ](Length: 5)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=d3f40137d043  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7406386418575295372514429039230897832570\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==573== Memcheck, a memory error detector  
  ==573== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==573== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==573== Command: ./hsh  
  ==573== Parent PID: 570  
  ==573==   
  ==574==   
  ==574== HEAP SUMMARY:  
  ==574== in use at exit: 120 bytes in 1 blocks  
  ==574== total heap usage: 9 allocs, 8 frees, 4,542 bytes allocated  
  ==574==   
  ==574== LEAK SUMMARY:  
  ==574== definitely lost: 0 bytes in 0 blocks  
  ==574== indirectly lo... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59a9d05bc061238b1919882caceab3eece378d33df94f5c874bf2228f0aa289f)**,** [**comment\_after\_cmd\_print.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/comments/comment_after_cmd_print.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0da114045a88b54e8bccc972a17bfd57051f8ee4bf630885c16dbfb41c375865)**Full error (available only 10days) :** [**235\_1049\_19885\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1049_19885_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=1c1b7199b2d88e67efda46aec658ee47f04d25832a2381fae92e71ce2edb8fe6)
* **Correct output - case: Echo a word followed by a comment  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[echo "/bin/echo HBTN # This is a comment" | ./hsh]  
  [GOT]:  
  (stdout)[Command not found  
  ](Length: 19)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[HBTN  
  ](Length: 5)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=d3f40137d043  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/7406386418575295372514429039230897832570\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  [VALGRIND]:  
  ==736== Memcheck, a memory error detector  
  ==736== Copyright (C) 2002-2017, and GNU GPL'd, by Julian Seward et al.  
  ==736== Using Valgrind-3.15.0 and LibVEX; rerun with -h for copyright info  
  ==736== Command: ./hsh  
  ==736== Parent PID: 733  
  ==736==   
  ==737==   
  ==737== HEAP SUMMARY:  
  ==737== in use at exit: 120 bytes in 1 blocks  
  ==737== total heap usage: 9 allocs, 8 frees, 4,548 bytes allocated  
  ==737==   
  ==737== LEAK SUMMARY:  
  ==737== definitely lost: 0 bytes in 0 blocks  
  ==737== indirectly l... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=59a9d05bc061238b1919882caceab3eece378d33df94f5c874bf2228f0aa289f)**,** [**comment\_after\_cmd\_print\_space.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/comments/comment_after_cmd_print_space.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=8d4e12adaf25b276f31fdec6a2075fbfcc5defc361522cf12fcda2ef223e8403)**Full error (available only 10days) :** [**235\_1049\_19886\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1049_19886_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091518Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4dbd0ee3a417b5c8e1c1bdba437ffb9a3b6b0ca06d5daf9c48533bb9153761bd)

**TASK 16**

### 16. File as input

**#advanced**

**Score: 0.0% (*Checks completed: 0.0%*)**

**Simple shell 1.0 +**

* **Usage: simple\_shell [filename]**
* **Your shell can take a file as a command line argument**
* **The file contains all the commands that your shell should run before exiting**
* **The file should contain one command per line**
* **In this mode, the shell should not print a prompt and should not read from stdin**

**Repo:**

* **GitHub repository: simple\_shell**

**QW**

* **README is present and not empty**
* **Compile program**
* **Correct output - case: ./hsh file where file does not exist  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[./hsh /tmp/hbtn\_checker\_tmp\_5129]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[./hsh: 0: Can't open /tmp/hbtn\_checker\_tmp\_5129  
  ](Length: 48)  
  (status)[127]  
  Environment:  
  HOSTNAME=dd27f8fbde81  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/4507866810688203450390933427581334414251\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d64a6c8b25552b42fd30b7c3c197cce33e98abc40077615cd394591608f9f569)**,** [**shell\_with\_unknown\_file.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/file/shell_with_unknown_file.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c166db9575edb2e2ac225eaa971cfc11e6c8f88f64d2417c553a72bf2523f117)
* **Correct output - case: ./hsh file where file is empty  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[./hsh /tmp/hbtn\_checker\_tmp\_11185]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[](Length: 0)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=dd27f8fbde81  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/4507866810688203450390933427581334414251\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d64a6c8b25552b42fd30b7c3c197cce33e98abc40077615cd394591608f9f569)**,** [**shell\_with\_empty\_file.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/file/shell_with_empty_file.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=67e651c0e2ccb4ca7bbdb47e502dd6796dbf7f8729725429393aa608ec44f519)
* **Correct output - case: ./hsh file where file contains echo hbtn  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[./hsh /tmp/hbtn\_checker\_tmp\_14022]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[hbtn  
  ](Length: 5)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=dd27f8fbde81  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/4507866810688203450390933427581334414251\_5/235/503933  
  TZ=America/Los\_Angeles  
  HOME=/root  
  LANG=en\_US.UTF-8  
  SHLVL=2  
  LC\_ALL=en\_US.UTF-8  
  PATH=/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin  
  OLDPWD=/  
  \_=/usr/bin/env  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d64a6c8b25552b42fd30b7c3c197cce33e98abc40077615cd394591608f9f569)**,** [**shell\_with\_file.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/file/shell_with_file.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=0c7379c9d34d173905e6217203a5f1067cec6f00f74cfefe3b11228d8d49a9a3)
* **Correct output - case: ./hsh file where file contains several /bin/ls and empty lines  
  Score: 0 out of 1 points  
  Reason:  
   - (command)[./hsh /tmp/hbtn\_checker\_tmp\_5478]  
  [GOT]:  
  (stdout)[  
  ](Length: 1)  
  (stderr)[](Length: 0)  
  (status)[0]  
  [EXPECTED]:  
  (stdout)[allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  shell\_with\_file\_1.bash  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  shell\_with\_file\_1.bash  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  shell\_with\_file\_1.bash  
  \_simple\_shell.c  
  allowed\_functions  
  AUTHORS  
  checker.bash  
  execute\_command.c  
  find\_command\_in\_path.c  
  handle\_builtin\_commands.c  
  hsh  
  README.md  
  shell.h  
  shell.h~  
  shell\_with\_file\_1.bash  
  \_simple\_shell.c  
  ](Length: 704)  
  (stderr)[](Length: 0)  
  (status)[0]  
  Environment:  
  HOSTNAME=dd27f8fbde81  
  LANGUAGE=en\_US:en  
  PWD=/tmp/correction/4507866810688203450390933427581334414251\_5/235/503933  
  TZ=America/L... [Diff had to be removed because it was too long] [Diff had to be removed because it was too long] [Diff had to be removed because it was too long]  
  Files:** [**checker.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/checker.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=d64a6c8b25552b42fd30b7c3c197cce33e98abc40077615cd394591608f9f569)**,** [**shell\_with\_file\_1.bash**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/correction_system/235/all/file/shell_with_file_1.bash?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=c44b5c1b212465a93513a59e7c73dc20a9fdf2b005e2b9367142f4e2a8828970)**Full error (available only 10days) :** [**235\_1052\_19892\_503933\_error.txt**](https://s3.amazonaws.com/alx-intranet.hbtn.io/files/student_files/235_1052_19892_503933_error.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIARDDGGGOUSBVO6H7D%2F20231020%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20231020T091600Z&X-Amz-Expires=86400&X-Amz-SignedHeaders=host&X-Amz-Signature=4f6a66c8b670a8531bab095a08611920fa307d2daf7db305a15353cfa177b710)