

1. List the available shells in your system.

```
eslam@eslam-Latitude-E7450:~$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/usr/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/usr/bin/dash
eslam@eslam-Latitude-E7450:~$
```

2. List the environment variables in your current shell.

```
eslam@eslam-Latitude-E7450:~$ printenv
```

3. List all of the environment variables for the bash shell.

```
eslam@eslam-Latitude-E7450:~$ man bash
```

4. What are the commands that list the values of all the variables?

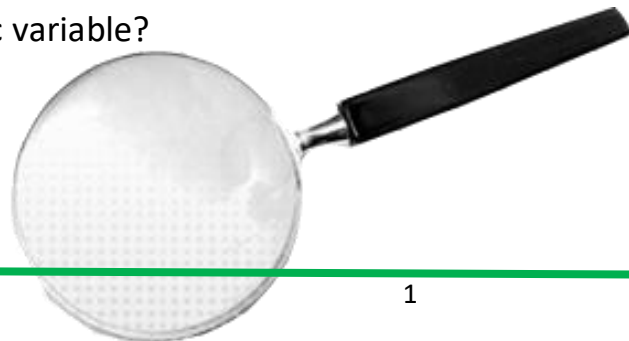
Env

printenv

set

5. What are the commands that list the value of a specific variable?

echo

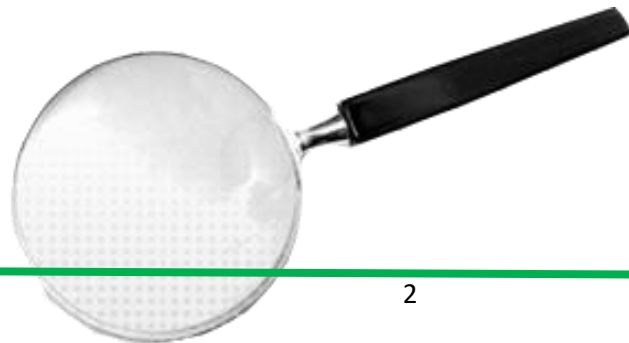


6. Display your current shell.

```
eslam@eslam-Latitude-E7450:~$ echo $SHELL
/bin/bash
```

7. State the initialization files of: sh, ksh, csh, bash.

```
eslam@eslam-Latitude-E7450:~$ ~/ .sh
bash: /home/eslam/: Is a directory
eslam@eslam-Latitude-E7450:~$ ~/.ksh
bash: /home/eslam/.ksh: No such file or directory
eslam@eslam-Latitude-E7450:~$ ~/ .ksh
bash: /home/eslam/: Is a directory
eslam@eslam-Latitude-E7450:~$ ~/ .csh
bash: /home/eslam/: Is a directory
eslam@eslam-Latitude-E7450:~$ ~/ .bash
bash: /home/eslam/: Is a directory
```



8. Edit in your profile to display date at login and change your prompt permanently.

```
eslam@eslam-Latitude-E7450:~$ nano ~/.bashrc
```

```
PS1='${debian_chroot:+($debian_chroot)}\[\033[01;32m\]\d\[\033[00m\]:\[\033[01;34m\]
```

```
Mon Jun 10:~$
```

9. Execute the following command : echo \ then press enter Notice the prompt what is that and how can you change it.

It is a Secondary Prompt.

```
eslam@eslam-Latitude-E7450:~$ nano ~/.bashrc
```

```
export PS2="cont>"
```

10. Create a Bash shell alias named ls for the "ls -l" command

```
Mon Jun 10:~$ alias L='ls -l'
Mon Jun 10:~$ L
total 56
drwxr-xr-x 2 eslam eslam 4096 Jun  8 09:21 Desktop
drwxr-xr-x 2 eslam eslam 4096 May 17 11:33 Documents
drwxr-xr-x 5 eslam eslam 4096 Jun 10 08:42 Downloads
-rw-rw-r-- 1 eslam eslam 119 Jun  9 10:21 file3
drwxrwxr-x 4 eslam eslam 4096 Jun  9 09:06 'iti new capital'
-r--r--r-- 1 eslam eslam  0 Jun  9 14:49 lapfile
drwxr-xr-x 2 eslam eslam 4096 May 17 11:33 Music
-rw--wx--x 1 eslam eslam 214 Jun  9 13:32 mycv
dr--rwxrwx 2 eslam eslam 4096 Jun  9 13:36 myteam
drwxr-xr-x 4 eslam eslam 4096 Jun  6 16:35 Pictures
drwxr-xr-x 2 eslam eslam 4096 May 17 11:33 Public
drwx----- 9 eslam eslam 4096 Jun  9 09:20 snap
drwxr-xr-x 2 eslam eslam 4096 May 17 11:33 Templates
d----- 2 eslam eslam 4096 Jun  9 14:18 testdir
----- 1 eslam eslam  0 Jun  9 14:19 testfile
drwxr-xr-x 3 eslam eslam 4096 May 17 12:56 Videos
```