

Cuong Hoang

CSC3320 System Level Programming

Lab Assignment 6 – Part 1 – In-Lab

Part 1:

Line 1: `$/bin/bash`

Error: No such file or directory

Correction: `#!/bin/bash`

Line 2: `/* Check Error Script */`

Error: `bash: /1:: No such file or directory`

Multi-line comment is not supported in shell script.

Correction: `# Check Error Script`

Line 13: `-ENDHERE`

Error: here-document END started at line 7 is incorrectly formed, need another END.

Correction: `END`

Line 17: `ls mail $1 < Result`

Error: `ls: cannot access mail: No such file or directory`

Command 'ls' interrupt the 'mail' command. Separate them into different lines.

Correction:

`ls;`

`mail ${1}@student.gsu.edu < Result`

Result:

```
[choang7@gsuad.gsu.edu@snowball ~]$ ./checkError.sh
Try to find out some errors!!!
backup      checkError.sh  h2.awk      Lab3  public      Result      test
backup.tar  csc3320               hello.sh    Lab4  RealEstate.csv  simple.sh   test.txt
The result has been sent to @student.gsu.edu
```

(No subject)



choang7 <choang7@gsuad.gsu.edu>

Fri 2/19/2021 7:24 PM

To: Cuong Hoang

The regex `[^a]*ce` can match the string(s):
piece

[Reply](#) | [Forward](#)

Part 2:

Content:

```
#!/bin/bash
echo "Welcome to computer science society"
# Cuong Hoang
# choang7@student.gsu.edu
echo Today is `date`
echo The number of directories in /home is `ls -l . | egrep '^d' | wc -l`
echo $PATH
echo $USER
echo $SHELL
echo disk usage:
df
echo "Please, could you loan me \$25.00?"
echo "if x = 2, x*x = 4, x/2 =1"
echo "All the .sh files with c at the beginning of the file name in current working directory:"
echo `ls . | egrep '^c.*\.sh$`
echo Good bye. `date +%T`
~
~
~
~
~
~
~
```

Result:

```
[choang7@gsuad.gsu.edu@snowball ~]$ ./hello.sh
Welcome to computer science society
Today is Fri Feb 19 10:26:44 EST 2021
The number of directories in /home is 6
/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/choang7/.local/bin:/home/choang7/bin
choang7@gsuad.gsu.edu
/bin/bash
disk usage:
Filesystem            1K-blocks      Used Available Use% Mounted on
devtmpfs               3992588         0   3992588  0% /dev
tmpfs                  4004484         4   4004480  1% /dev/shm
tmpfs                  4004484  411012   3593472 11% /run
tmpfs                  4004484         0   4004484  0% /sys/fs/cgroup
/dev/mapper/cl-root    36678148  8059560  28618588 22% /
/dev/sdb1              131979268 52927844  72324208 43% /home
/dev/sdal              1038336    320300    718036 31% /boot
tmpfs                  800900         0    800900  0% /run/user/332769344
tmpfs                  800900         0    800900  0% /run/user/332626600
tmpfs                  800900         0    800900  0% /run/user/332744811
tmpfs                  800900         0    800900  0% /run/user/332727946
tmpfs                  800900         0    800900  0% /run/user/332738060
tmpfs                  800900         0    800900  0% /run/user/332721424
tmpfs                  800900         0    800900  0% /run/user/332707293
Please, could you loan me $25.00?
if x = 2, x*x = 4, x/2 =1
All the .sh files with c at the beginning of the file name in current working directory:
checkError.sh
Good bye. 10:26:44
[choang7@gsuad.gsu.edu@snowball ~]$
```