

Jamie Lopez

CSC3320 Lab 6 Part 1

Due: 2/19/2021

CRN 11173-004

Part 1

Line #:	Error:	Correction:
1	\$ is first character of first line and no ! after #	# /bin/bash
2	Wrong method used for comments; change /* */ to #	# Check Error Script
13	Change ENDDHERE to END	END
17	Remove ls and add rest of email address	mail \${1}@student.gsu.edu < Result

```
[jrogers75@gsuad.gsu.edu@snowball Lab6]$ cat -n checkError.sh
 1 # /bin/bash
 2 # Check Error Script
 3 echo "Try to find out some errors!!!"
 4 # Search for the words which can be matched by regex [^a]*ce
 5 # And save the output to file "Result"
 6 echo "The regex [^a]*ce can match the string(s):" > Result
 7 grep '^[^a]*ce$' << END >> Result
 8 lance
 9 ace
10 brace
11 decide
12 piece
13 END
14 # Check the existence of file "Result"
15 # Send the content in "Result" to your mailbox
16 # $1 is replaced by your campusID
17 mail ${1}@student.gsu.edu < Result
18 # $1 is replaced by your campusID
19 echo "The result has been sent to ${1}@student.gsu.edu"
20 echo "Congratulations! You have corrected all the errors!"
[jrogers75@gsuad.gsu.edu@snowball Lab6]$ ./checkError.sh jrogers75
Try to find out some errors!!!
The result has been sent to jrogers75@student.gsu.edu
Congratulations! You have corrected all the errors!
```



jrogers75 <jrogers75@gsuad.gsu.edu>

Thu 2/18/2021 10:30 PM

To: Jamie Leann Lopez



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

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

Part 2

hello.sh file content

```
[jrogers75@gsuad.gsu.edu@snowball Lab6]$ cat hello.sh
# /bin/bash
echo "Welcome to the Computer Science Society."
# Jamie Lopez
# jrogers75@student.gsu.edu
date
echo "Number of directories in /home:"
find ~/* -maxdepth 0 -type d | wc -l
echo "PATH=" $PATH
echo "USER=" $USER
echo "SHELL=" $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 sh files that start with c:"
find c*.sh
echo "Good bye " "Current Hour: "; date +%H
```

Executed file results (see next page)

```
[jrogers75@gsuad.gsu.edu@snowball Lab6]$ ./hello.sh
Welcome to the Computer Science Society.
Fri Feb 19 16:24:00 EST 2021
Number of directories in /home:
19
PATH= /usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/jrogers75/.local/
bin:/home/jrogers75/bin
USER= jrogers75@gsuad.gsu.edu
SHELL= /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   | 379128   | 3625356   | 10%  | /run                 |
| tmpfs               | 4004484   | 0        | 4004484   | 0%   | /sys/fs/cgroup       |
| /dev/mapper/cl-root | 36678148  | 8065504  | 28612644  | 22%  | /                    |
| /dev/sdb1           | 131979268 | 52928208 | 72323844  | 43%  | /home                |
| /dev/sda1           | 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/332745050  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/1580432580 |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/1580543420 |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332795220  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332718139  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332718778  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332710395  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332733028  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/1580557280 |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332710306  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/1580589327 |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332708357  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332730142  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332752668  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332712705  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332728085  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332694339  |
| tmpfs               | 800900    | 0        | 800900    | 0%   | /run/user/332682832  |


Please, could you loan me $25.00?
if x=2, x*x=4, x/2=1
All sh files that start with c:
checkError.sh
Good bye Current Hour:
16
```