

Lab 6 In Lab Assignment

Robert Tognoni

PART 1:

- 1) Line #: 1 Error: Invalid shell string Correction: Change to #!/bin/bash
- 2) Line #: 2 Error: Invalid comment indication Correction: Add # in front of line
- 3) Line# 16 Error: Grep does not support use of extended regex. Correction: change to egrep
- 4) Line# 22 Error: ls in front of "mail" causing error. Correction: Delete "ls"

```
rtognoni1@gsuad.gsu.edu@snowball:~/Lab6
[rtognoni1@gsuad.gsu.edu@snowball Lab6]$ ./checkError.sh rtognoni1
Try to find out some errors!!!
The result has been sent to rtognoni1@student.gsu.edu
Congratulations! You have corrected all the errors!
[rtognoni1@gsuad.gsu.edu@snowball Lab6]$
```

Email received: (I'm not sure the regex is correct but it does produce something)

(No subject)



rtognoni1 <rtognoni1@gsuad.gsu.edu>

Tue 10/5/2021 4:59 PM

To: Rob Tognoni

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

[Reply](#)

[Forward](#)

Code:

```
rtognoni1@gsuad.gsu.edu@snowball:~/Lab6
#!/bin/bash
#/* Check Error Script */

echo "Try to find out some errors!!!"
# Search for the words which can be matched by regex [^a]*ce
# And save the output to file "Result"i

echo "The regex [^a]*ce can match the string(s):" > Result
echo "lance
ace
brace
decide
piece
-END" | egrep '^[^a]*ce'>> Result

# Check the existence of file "Result"
# Send the content in "Result" to your mailbox
# $1 is replaced by your campusID

mail $1@student.gsu.edu < Result

# $1 is replaced by your campusID
echo "The result has been sent to ${1}@student.gsu.edu"
echo "Congratulations! You have corrected all the errors!"

~
~
```

Part 2:

```
#!/bin/bash
#Script written by Robert Tognoni
#Email: rtognoni1@student.gsu.edu
echo "Welcome to the computer science society."
date
dirCount=`ls /home| wc -l`
echo "The number of directories in /home is: $dirCount"
echo -e "PATH: $PATH\nUSER: $USER\nSHELL: $SHELL\n"
echo "DISK USAGE REPORT: "
df
echo "END DISK USAGE REPORT."
echo "Please, could you loan me \"$25.00"
echo "if x = 2, x * x = 4, x / 2 = 1"
ls | egrep '^c.*\.sh$'
hour=`date +%I`
echo "Good bye! The current hour is: $hour"
```

```
[rtognoni1@gsuad.gsu.edu@snowball Lab6]$ [rtognoni1@gsuad.gsu.edu@snowball Lab6]$ ./hello.sh
Welcome to the computer science society.
Tue Oct 5 17:30:02 EDT 2021
The number of directories in /home is: 340
PATH: /usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/rtognoni1/.local/bin:/home/rtognoni1/bin
USER: rtognoni1@gsuad.gsu.edu
SHELL: /bin/bash

DISK USAGE REPORT:
Filesystem            1K-blocks      Used Available Use% Mounted on
devtmpfs              3992456        0   3992456    0% /dev
tmpfs                 4004476         8   4004468    1% /dev/shm
tmpfs                 4004476      387768   3616708   10% /run
tmpfs                 4004476         0   4004476    0% /sys/fs/cgroup
/dev/mapper/centos-root 36678148 3522076 33156072   10% /
/dev/sdb1             131979268 56290004 68962048   45% /home
/dev/sda1             1038336     193352   844984    19% /boot
tmpfs                 800896         0    800896    0% /run/user/1331014231
tmpfs                 800896         0    800896    0% /run/user/332794540
tmpfs                 800896         0    800896    0% /run/user/332637388
tmpfs                 800896         0    800896    0% /run/user/332625070
tmpfs                 800896         0    800896    0% /run/user/332742644
tmpfs                 800896         0    800896    0% /run/user/332684797
tmpfs                 800896         0    800896    0% /run/user/1580447811
tmpfs                 800896         0    800896    0% /run/user/332724178
tmpfs                 800896         0    800896    0% /run/user/332694339
tmpfs                 800896         0    800896    0% /run/user/332621198
tmpfs                 800896         0    800896    0% /run/user/332706205
tmpfs                 800896         0    800896    0% /run/user/332767273
tmpfs                 800896         0    800896    0% /run/user/332733601
tmpfs                 800896         0    800896    0% /run/user/332710664
tmpfs                 800896         0    800896    0% /run/user/332744349
tmpfs                 800896         0    800896    0% /run/user/332758068
tmpfs                 800896         0    800896    0% /run/user/1580592971
tmpfs                 800896         0    800896    0% /run/user/332733207
tmpfs                 800896         0    800896    0% /run/user/332642755
tmpfs                 800896         0    800896    0% /run/user/332714209
tmpfs                 800896         0    800896    0% /run/user/1331004465
tmpfs                 800896         0    800896    0% /run/user/332731852
tmpfs                 800896         0    800896    0% /run/user/332746027
tmpfs                 800896         0    800896    0% /run/user/332629525
tmpfs                 800896         0    800896    0% /run/user/1580504032
tmpfs                 800896         0    800896    0% /run/user/1580465159
tmpfs                 800896         0    800896    0% /run/user/332782382
tmpfs                 800896         0    800896    0% /run/user/332636665
tmpfs                 800896         0    800896    0% /run/user/332716708
END DISK USAGE REPORT.
Please, could you loan me $25.00
if x = 2, x * x = 4, x / 2 = 1
cc.sh
checkError.sh
Good bye! The current hour is: 05
```