

Lab 6

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Part 1

Line #: 1 Error: 0/bin/bash: No such file or directory Correction: remove \$ in front of #/bin/bash

Line #: 3 Error: /bin: Is a directory Correction: add hash to signify a comment

Line #: 26 Error: warning: here-document at line 10 delimited by end-of-file Correction: change -ENDOFLINE to END

Line #: 10 Error: grep: lance: No such file or directory Correction: make a new line before lance

Line #: 22 Error: ls: cannot access mail: No such file or directory Correction: remove ls command in front of mail

```
[zboyle1@gsuad.gsu.edu@snowball ~]$ ./checkError.sh zboyle1
Try to find out some errors!!!
The result has been sent to zboyle1@student.gsu.edu
Congratulations! You have corrected all the errors!
[zboyle1@gsuad.gsu.edu@snowball ~]$
```

```
[zboyle1@gsuad.gsu.edu@snowball ~]$ cat checkError.sh
#!/bin/bash

#/*    Check Error Script    */

echo "Try to find out some errors!!!"

# Search for the words which can be matched by the regex [^a]*ce
# And save the output to the file "Result"
echo "The regex [^a]*ce can match the string(s):" > Result
grep '^[^a]*ce$' <<END >> Result
lance
ace
@live.com
brace
decide
piece
END

# 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

Output:

```
[zboyle1@gsuad.gsu.edu@snowball ~]$ [zboyle1@gsuad.gsu.edu@snowball ~]$ ./hello.sh
Welcome to computer science society
The date is: Thu Sep 30 17:19:44 EDT 2021
The number of directories in home are: 332
PATH: /usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/zboyle1/.local/bin:/home/zboyle1/bin USER: zboyle1@gsuad.gsu.edu
CURRENT SHELL: /bin/bash
Disk usage:
Filesystem                1K-blocks      Used Available  Use% Mounted on
devtmpfs                  44          3992456      0 3992456    0% /dev
tmpfs                     4004476         8 4004468    1% /dev/shm
tmpfs                     4004476      413328 3591148   11% /run
tmpfs                     4004476         0 4004476    0% /sys/fs/cgroup
/dev/mapper/centos-root    36678148 3553180 33124968   10% /
/dev/sdb1                 131979268 52480980 72771072   42% /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/332710664
tmpfs                     800896         0 800896    0% /run/user/1580440810
tmpfs                     800896         0 800896    0% /run/user/332723654
tmpfs                     800896         0 800896    0% /run/user/332703377
tmpfs                     800896         0 800896    0% /run/user/332641300
tmpfs                     800896         0 800896    0% /run/user/332765409
tmpfs                     800896         0 800896    0% /run/user/332761114
tmpfs                     800896         0 800896    0% /run/user/332761402
tmpfs                     800896         0 800896    0% /run/user/332730629
tmpfs                     800896         0 800896    0% /run/user/332711505
tmpfs                     800896         0 800896    0% /run/user/332729326
tmpfs                     800896         0 800896    0% /run/user/332751054
tmpfs                     800896         0 800896    0% /run/user/332794885
tmpfs                     800896         0 800896    0% /run/user/1580588965
tmpfs                     800896         0 800896    0% /run/user/332691068
tmpfs                     800896         0 800896    0% /run/user/332789895
tmpfs                     800896         0 800896    0% /run/user/332778180
tmpfs                     800896         0 800896    0% /run/user/332721375
tmpfs                     800896         0 800896    0% /run/user/332627544
tmpfs                     800896         0 800896    0% /run/user/332673326
tmpfs                     800896         0 800896    0% /run/user/332610608
tmpfs                     800896         0 800896    0% /run/user/332769953
tmpfs                     800896         0 800896    0% /run/user/332605836
tmpfs                     800896         0 800896    0% /run/user/1331008281
tmpfs                     800896         0 800896    0% /run/user/332731781
tmpfs                     800896         0 800896    0% /run/user/332702905
tmpfs                     800896         0 800896    0% /run/user/332664111
tmpfs                     800896         0 800896    0% /run/user/1580592971
tmpfs                     800896         0 800896    0% /run/user/1580525273
tmpfs                     800896         0 800896    0% /run/user/332676935
tmpfs                     800896         0 800896    0% /run/user/332739687
tmpfs                     800896         0 800896    0% /run/user/1580465159
tmpfs                     800896         0 800896    0% /run/user/332746961
```

```

tmpfs 800896 0 800896 0% /run/user/332718974
tmpfs 800896 0 800896 0% /run/user/1597883801
tmpfs 800896 0 800896 0% /run/user/332778613
tmpfs 800896 0 800896 0% /run/user/1580504032
tmpfs 800896 0 800896 0% /run/user/332733311
tmpfs 800896 0 800896 0% /run/user/1580479440
tmpfs 800896 0 800896 0% /run/user/1580538242
Please, could you loan me $25.00?
if x=2, x*x=4, x/2=1
/home/zboyle1/checkError.sh
Good bye. Hour: 05

```

Script:

```

[zboyle1@gsuad.gsu.edu@snowball ~]$ cat hello.sh
#!/bin/bash

echo "Welcome to computer science society"
#Name: Zoe Boyle
#email: zboyle1@student.gsu.edu
echo -n "The date is: "
date
echo -n "The number of directories in home are: "
ls /home|wc -l
echo "PATH: $PATH USER: $USER CURRENT SHELL: $SHELL"
echo "Disk usage:"
df
echo "Please, could you loan me $25.00?"
echo "if x=2, x*x=4, x/2=1"
ls ~/c*.sh
echo -n "Good bye. Hour: "
date +%I

```