Part 1

1. Line #1

    a. Error: $#/bin/bash

    b. Correction: #!/bin/bash

2. Line #2

    a. Error: /* Check Error Script */

    b. Correction: #Check Error Script

3. Line #9

    a. Error :grep '^[^a]*ce$' << END >> Result lance

    b. Correction: grep '^[^a]*ce$' > Result << END

4. Line #16

    a. Error: -ENDHERE

    b. Correction: END

5. Line #21

    a. Error: ls mail $1@student.gsu.edu < Result

    b. Correction: two lines

        i.   ls checkError.sh Result

        ii. mail Ttahir1@student.gsu.eud < Result

Part 2

```bash
#!/bin/bash

echo "Welcome to computer science socity"

# NAME: Talaal Tahir
# EMAIL: Ttahir1@Student.gsu.edu

echo "The date today is:`date` "

echo "The number of directories in /home is: `ls -l /home | grep "^d" | wc -l` "

echo "Value of PATH:$PATH"
echo "Value of USER:$USER"
echo "Value of SHELL:$SHELL"

echo "The disck Usage is:"
df

echo "Please,could you loan me \$25.00?"

echo "if x = 2, x * x = 4, x/2 = 1"

echo "All the .sh files that begin with c: `find . -name "*.sh" | grep -i "c"`"

echo "Good bye `date +%T`"
```

```
[ttahir1@gsuad.gsu.edu@snowball ~]$ vi hello.sh
[ttahir1@gsuad.gsu.edu@snowball ~]$ ./hello.sh
Welcome to computer science socity
The date today is: Thu Sep 30 18:50:07 EDT 2021
The number of directories in /home is: 332
Value of PATH:/usr/local/bin:/usr/bin:/usr/local/sbin:/usr/sbin:/home/ttahir1/.local/bin:/home/ttahir1/bin
Value of USER:ttahir1@gsuad.gsu.edu
Value of SHELL:/bin/bash
The disck Usage is:
Filesystem                1K-blocks      Used Available Use% Mounted on
devtmpfs                    3992456         0   3992456   0% /dev
tmpfs                       4004476         8   4004468   1% /dev/shm
tmpfs                       4004476    412576   3591900  11% /run
tmpfs                       4004476         0   4004476   0% /sys/fs/cgroup
/dev/mapper/centos-root    36678148   3552684  33125464  10% /
/dev/sdb1                 131979268  52481160  72770892  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/332703377
tmpfs                        800896         0    800896   0% /run/user/332761402
tmpfs                        800896         0    800896   0% /run/user/332711505
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/332702905
tmpfs                        800896         0    800896   0% /run/user/332664111
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/332778613
tmpfs                        800896         0    800896   0% /run/user/332733311
tmpfs                        800896         0    800896   0% /run/user/1580538242
tmpfs                        800896         0    800896   0% /run/user/332729326
tmpfs                        800896         0    800896   0% /run/user/1580512463
tmpfs                        800896         0    800896   0% /run/user/1331034186
tmpfs                        800896         0    800896   0% /run/user/332718974
Please,could you loan me $25.00?
if x = 2, x * x = 4, x/2 = 1
All the .sh files that begin with c: ./checkError.sh
Good bye 18:50:07
```