

LINUX PROGRAMMING
SWE4009
LAB ASSIGNMENT
17MIS1028
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1.) INSERTING echo STATEMENTS IN BETWEEN SAMPLE SCRIPTS :

a.)

SCREENSHOT:

```
hp@hp-HP-Notebook:~$ cd Desktop
hp@hp-HP-Notebook:~/Desktop$ chmod +x uu.sh
hp@hp-HP-Notebook:~/Desktop$ ./uu.sh
+ echo 37
37
+ set +x
```

b.)

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ ./uu.sh
1
2
3
- - - - -
```

c.)

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ ./uu.sh
anju.sh a.out da.c virtual1.png virtual 2.png virtual3.png
rm: cannot remove 'virtual': No such file or directory
rm: cannot remove '2.png': No such file or directory
```

2.) IMPLEMENTING tee COMMAND TO THE GIVEN SCRIPT:

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ ./uu.sh
area[11] = 23
area[13] = 37
area[43] =
(area[43] unassigned)
area[5] = area[11] + area[13]
area[5] = 60
expr: non-integer argument
area[6] = area[11] + area[51]
area[6] =
hp@hp-HP-Notebook:~/Desktop$ ./uu.sh | tee anju.txt
expr: non-integer argument
area[11] = 23
area[13] = 37
area[43] =
(area[43] unassigned)
area[5] = area[11] + area[13]
area[5] = 60
area[6] = area[11] + area[51]
area[6] =
```

3.) APPLYING FLAG TO THE SAMPLES:

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ sh -n uu.sh
hp@hp-HP-Notebook:~/Desktop$ sh -v uu.sh
#!/bin/sh
a=37
if [ $a -gt 27 ]
then
set -x
echo $a
set +x
fi
+ echo 37
37
+ set +x
exit $?
hp@hp-HP-Notebook:~/Desktop$ sh -x uu.sh
+ a=37
+ [ 37 -gt 27 ]
+ set -x
+ echo 37
37
+ set +x
```

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ sh -n uu.sh
hp@hp-HP-Notebook:~/Desktop$ sh -v uu.sh
#!/usr/bin/env bash
for a in 1 2 3
do echo "$a"
done
1
2
3
exit 0
hp@hp-HP-Notebook:~/Desktop$ sh -x uu.sh
+ echo 1
1
+ echo 2
2
+ echo 3
3
+ exit 0
```

c.)

SCREENSHOT:

```
hp@hp-HP-Notebook:~/Desktop$ sh -n uu.sh
hp@hp-HP-Notebook:~/Desktop$ sh -v uu.sh
badname=`ls | grep 'a'`
echo $badname
anju.txt virtual 2.png
rm $badname
rm: cannot remove 'virtual': No such file or directory
rm: cannot remove '2.png': No such file or directory
hp@hp-HP-Notebook:~/Desktop$ sh -x uu.sh
+ ls
+ grep a
+ badname=virtual 2.png
+ echo virtual 2.png
virtual 2.png
+ rm virtual 2.png
rm: cannot remove 'virtual': No such file or directory
rm: cannot remove '2.png': No such file or directory
```

