

**LAB EXAM SERIES 2**

**Open Source Lab**

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## 1. Creating Directory

Subdirectories

3 files with content

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ mkdir newdir
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ mkdir -p full-path/subdi
r1/subdir2
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ echo -e 'Here\nwe\nhave\
ninserted\nnewlines'
Here\nwe\nhave\ninserted\nnewlines: command not found
```

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ 'Here\nwe\nhave\ninserte
d\nnewlines'
Here\nwe\nhave\ninserted\nnewlines: command not found
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ echo -e 'Here\nwe\nhave\
ninserted\nnewlines'
Here
we
have
inserted
newlines
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$
```

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ cat >> file1.txt
hai
hello
welcome
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ cat file1.txt
hai
hello
welcome
```

Shell script

Prime or not

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
#!/bin/bash
echo -e "Enter Number :\c"
read n
while [ $n -gt 2 ]
do
for((i=2; i<=$n/2; i++))
do
ans=$(( n%i ))
if [ $ans -eq 0 ]
then
echo "$n is not a prime number"
exit 0
fi
done
done
echo "$n is a prime number"
~
~
h ~
~
```

Output

```
onworks@onworks-Standard-PC-i440FX-PIIX-1996: ~/Desktop
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ vi prime.sh
onworks@onworks-Standard-PC-i440FX-PIIX-1996:~/Desktop$ bash prime.sh
Enter Number :29
```