

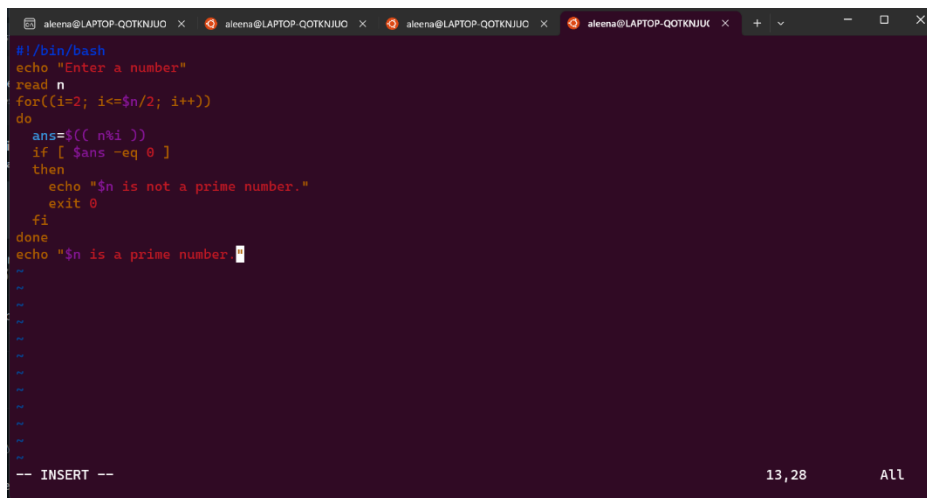
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Integrated MCA, S6

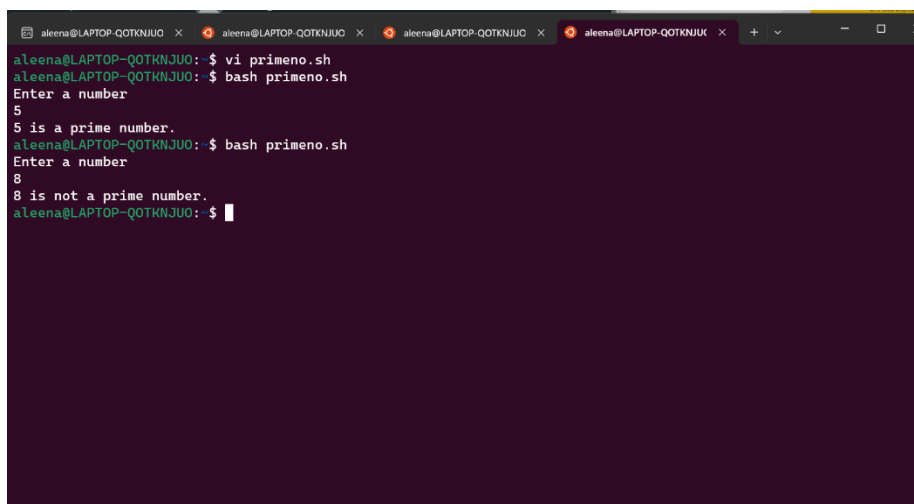
Open-Source Platform Lab

Course code: 20INMCA 332

Q1: Execute commands for creating a directory, create 3 subdirectories inside it, create 3 files with content. List all details separately. Execute a shell script to find whether a given number is prime or not. Upload both programs with output to GitHub and share to corresponding staff.?



```
#!/bin/bash
echo "Enter a number"
read n
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
echo "$n is a prime number."
```



```
aleena@LAPTOP-QOTKNJU0: $ vi primeno.sh
aleena@LAPTOP-QOTKNJU0: $ bash primeno.sh
Enter a number
5
5 is a prime number.
aleena@LAPTOP-QOTKNJU0: $ bash primeno.sh
Enter a number
8
8 is not a prime number.
aleena@LAPTOP-QOTKNJU0: $
```

```
aleena@LAPTOP-QOTKNJUO:~$ mkdir mydirectory
aleena@LAPTOP-QOTKNJUO:~$ ls
add.sh  demo.txt  demo3.sh  demo6.sh  exp7.sh  file2.txt  new      script1.sh  world.txt
bash.sh  demo1.txt  demo3.txt  exp.sh    file.tar  file22     num.txt  temp
demo     demo2.sh  demo4.sh  exp5.sh   file.txt  hello.txt  s6       test2
demo.sh  demo2.txt  demo5.sh  exp6.sh   file1.txt  mydirectory  s6int    welcome.txt
aleena@LAPTOP-QOTKNJUO:~$ cd mydirectory
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ mkdir subdir1
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ mkdir subdir2
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ mkdir subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat file1.txt
cat: file1.txt: No such file or directory
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file1.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
file1.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat file1.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat > file1.txt
Welcome to Open-source platform
^C
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file2.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file3.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
file1.txt  file2.txt  file3.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat > file2.txt
```

```
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat file1.txt
cat: file1.txt: No such file or directory
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file1.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
file1.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat file1.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat > file1.txt
Welcome to Open-source platform
^C
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file2.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ touch file3.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
file1.txt  file2.txt  file3.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat > file2.txt
Welcome to linux worldaleena@LAPTOP-QOTKNJUO:~/mydirectory$
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ cat > file3.txt
Hello world
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls
file1.txt  file2.txt  file3.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls -a
.  ..  file1.txt  file2.txt  file3.txt  subdir1  subdir2  subdir3
aleena@LAPTOP-QOTKNJUO:~/mydirectory$ ls -a file1.txt
file1.txt
aleena@LAPTOP-QOTKNJUO:~/mydirectory$
```

