# EXPERIMENT-6:SHELL PROGRAMMING

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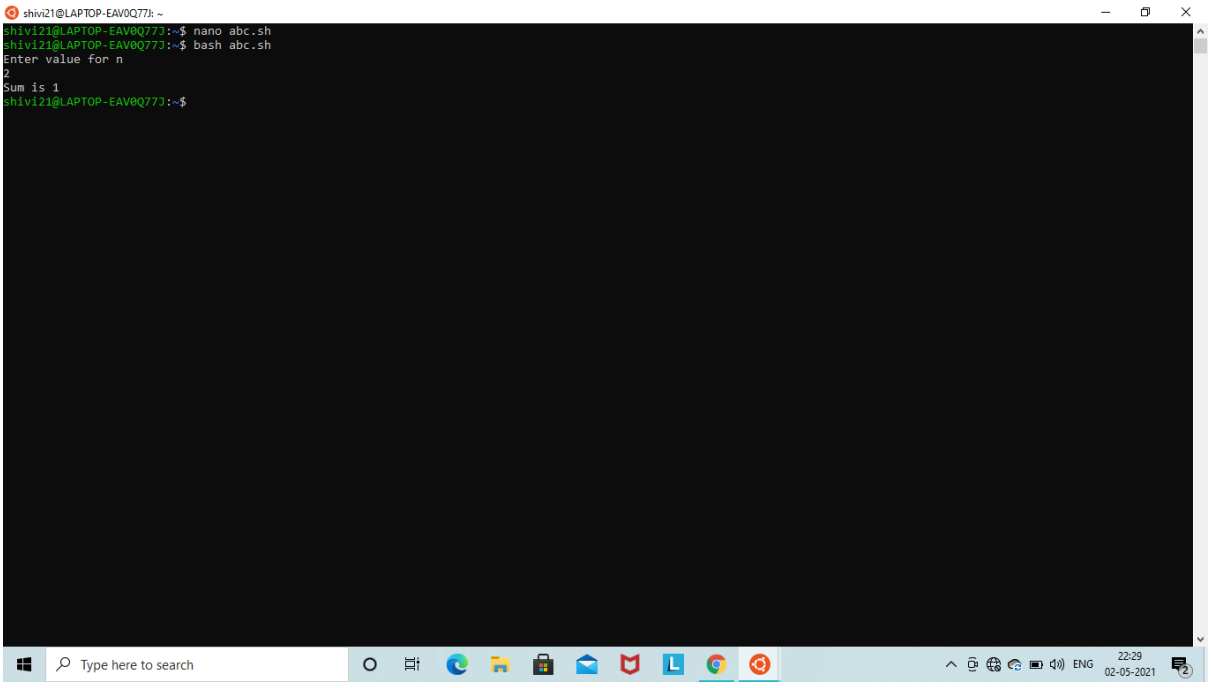
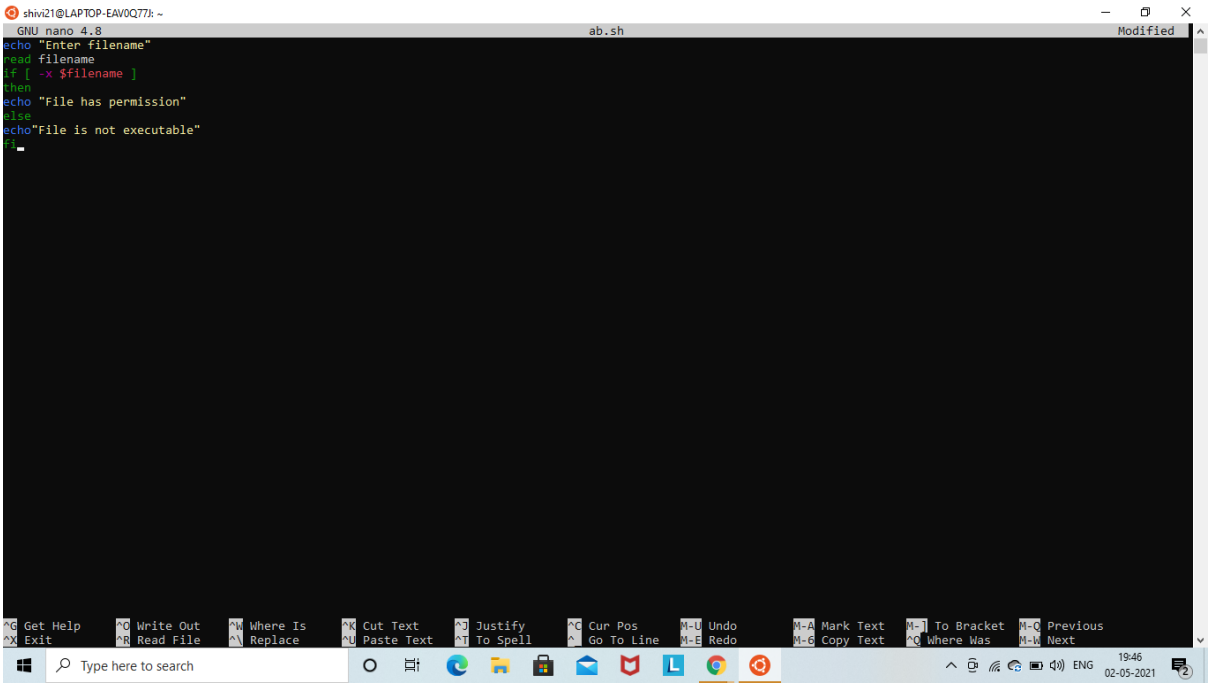
1. Find the output of the following shell scripts

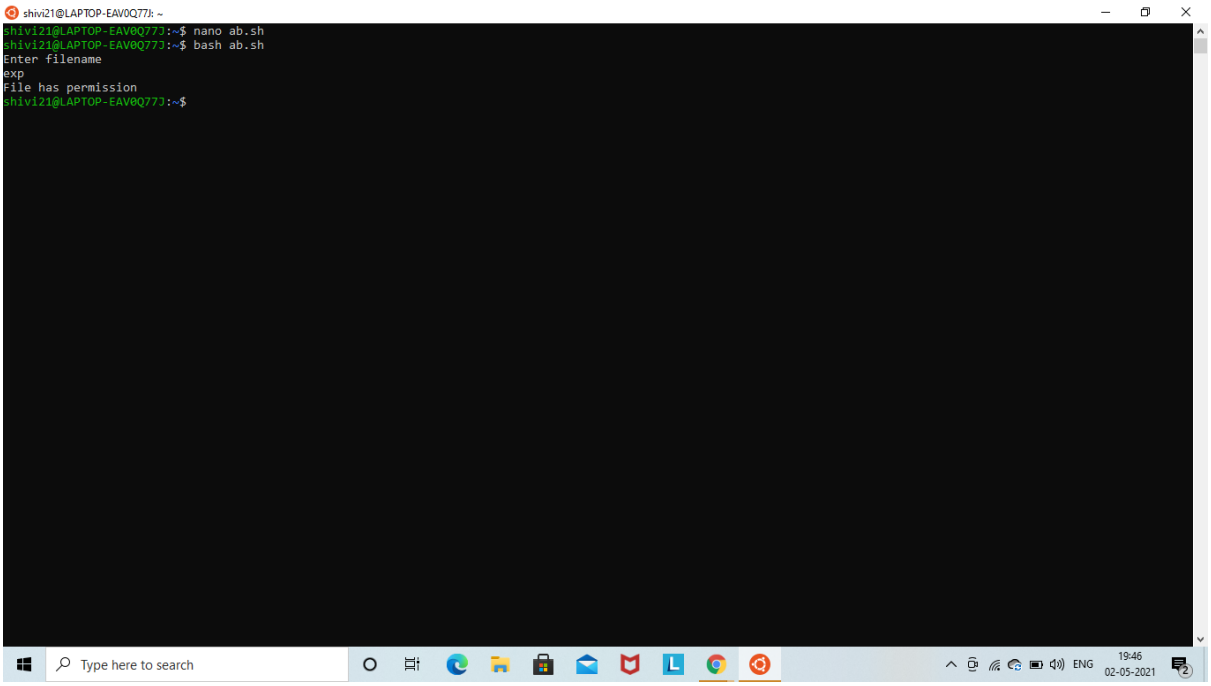
```
$ vi ex51
echo Enter value for n
read n
sum=0
i=1
while [ $i –le $n ]
do
sum=$((sum+i))
i=$((i+2))
done
echo Sum is $sum
```

Output:



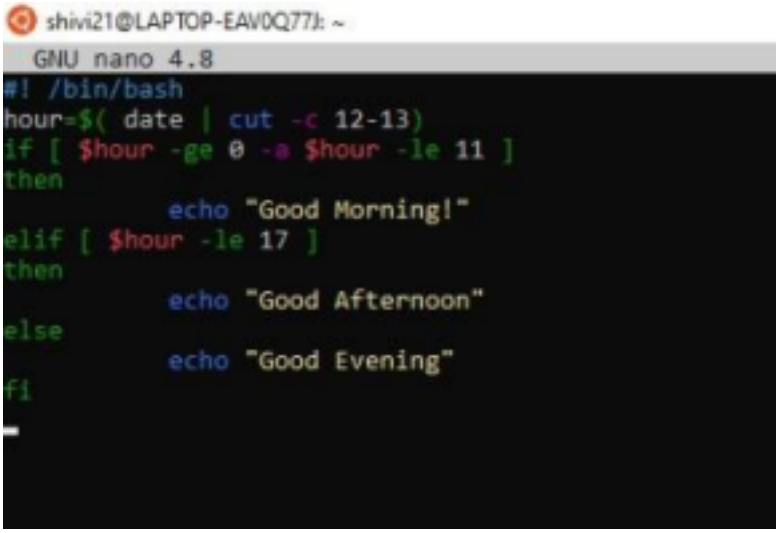
2.Write a program to check whether the file has execute permission or not. If not, add the
Permission.

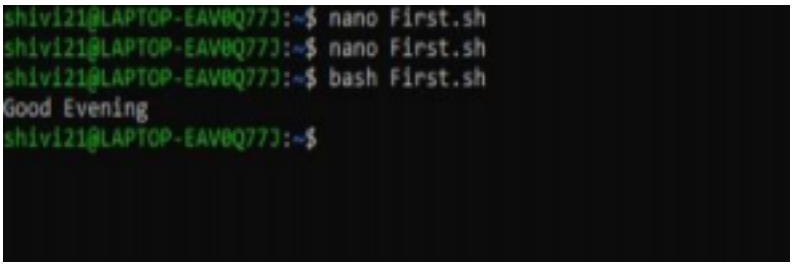



Q3. Write a shell script to print a greeting as specified below.
If hour is greater than or equal to 0 (midnight) and less than or equal to 11 (up to 11:59:59),
"Good morning" is displayed.

If hour is greater than or equal to 12 (noon) and less than or equal to 17 (up to 5:59:59
p.m.), "Good afternoon" is displayed.
If neither of the preceding two conditions is satisfied, "Good evening" is displayed.
$ vi ex53
hour=$(date | cut -c12-13)
if [ "$hour" -ge 0 -a "$hour" -le 11 ]
then




**Q4. Write a shell script to list only the name of sub directories in the present working Directory – Simple if .. fi statement.**

```
shivi21@LAPTOP-EAV0Q77J: ~
  GNU nano 4.8
#! /bin/bash
for i in *
do
        if [ -d $i ]
        then
            echo $i
        fi
done
```

```
shivi21@LAPTOP-EAV0Q77J:~$ mkdir experiment
shivi21@LAPTOP-EAV0Q77J:~$ nano First.sh
shivi21@LAPTOP-EAV0Q77J:~$ bash First.sh
experiment
shivi21@LAPTOP-EAV0Q77J:~$
```

**Q5. Write a program to check all the files in the present working directory for a pattern**

**(passed through command line) and display the name of the file followed by a message**

**stating that the pattern is available or not available.**