Exp-9(5)-Answers

1. Given the following values
   num=10, x=*, y=`date` a="Hello, 'he said'"

Execute and write the output of the following commands

Command Output	Output
echo num	num
echo $num	10,
echo $x	*,
echo '$x'	$x
echo "$x"	*,
echo $y	date
echo $(date)	Tue 02 Mar 2021 12:21:26 AM EST
echo $a	Hello, 'he said'
echo \$num	$num
echo \$$num	$10,

2. 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 :

   ```
   Enter value for n

   20

   Sum is 100
   ```

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

$ vi ex52

    echo Enter name of the file

    read name

    if [-x $name]

    then

        echo Yes $name has Execute Permission

    else

        echo No $name has NO Execute Permission

    fi

4. 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 5:59:59p.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

        echo Good Morning

    elif [$hour -le 17]

    then

```
                echo Good Afternoon
        else
                echo Good Evening
        fi
```

5. Write a shell script to list only the name of sub directories in the present working directory

```
$ vi ex54
        for i in *
        do
                if [ -d $i ]
                then
                        echo $i
                fi
        done
```

6. 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.

```
$ vi ex55
        for i in *
        do
                if [ -f $i ]
```

```
        then
                grep $1 $i > /dev/null
                if [ $? -eq 0 ]
                then
                        echo $i found
                else
                        echo $i not found
                fi
        fi
done
```