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, |

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 :

Enter value for n

20

Sum is 100

1. 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

1. 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

1. 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

1. 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