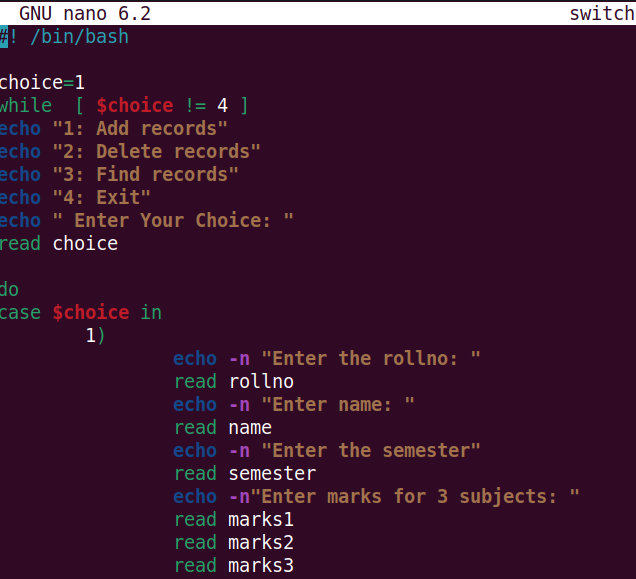
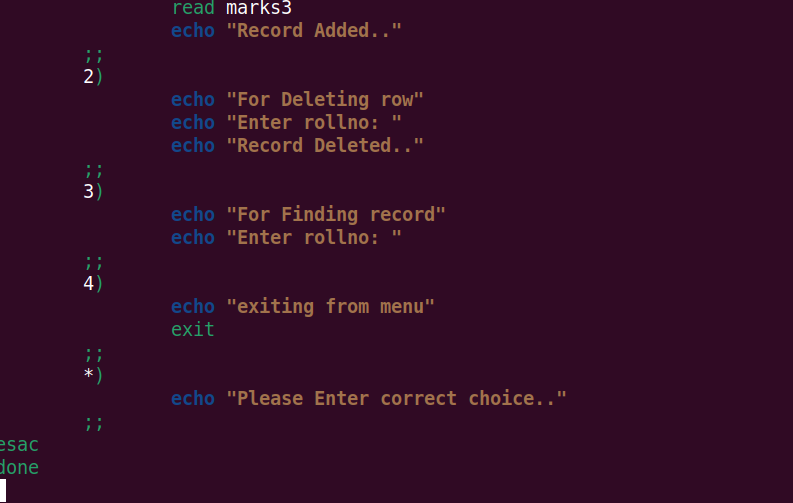
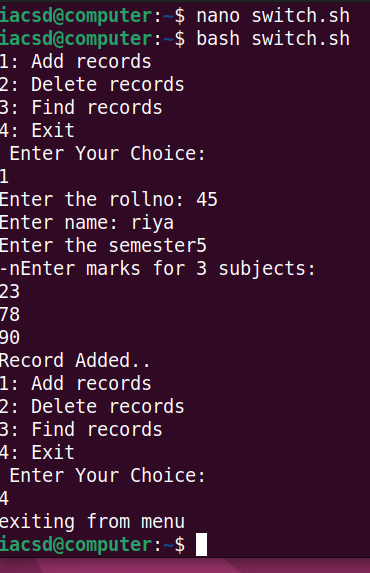
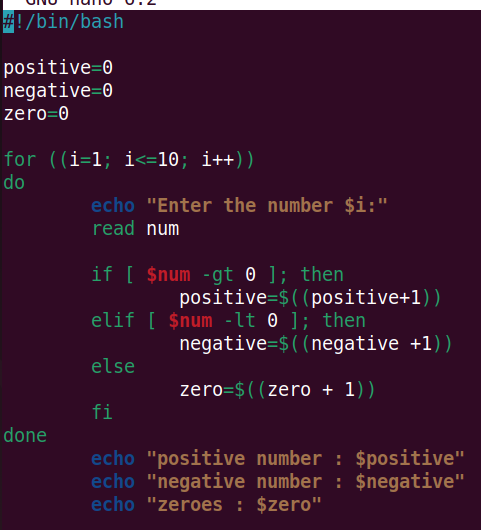
2).Write a shell script to create a menu driven program for adding, deletion or finding a record in a database. Database should have the field like rollno, name, semester and marks of three subjects. Last option of the menu should be to exit the menu.

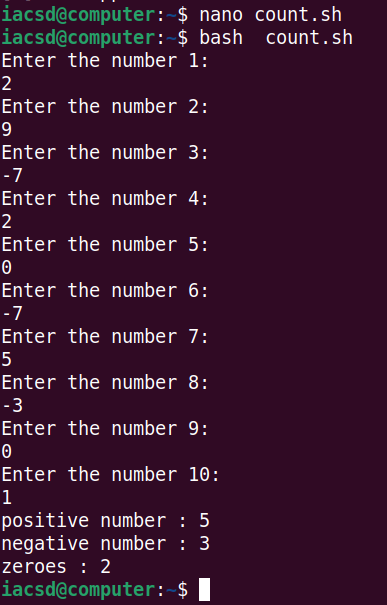




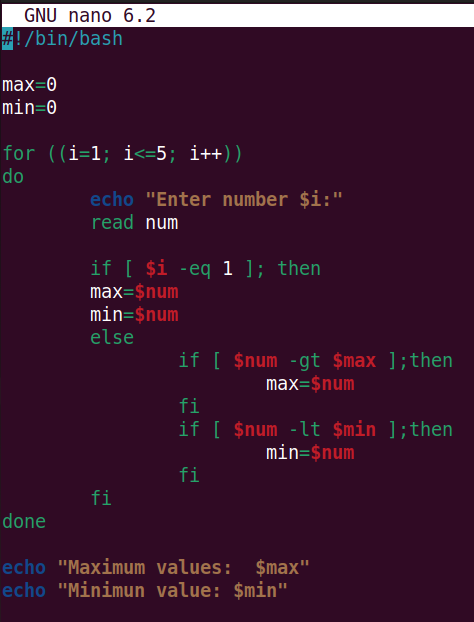


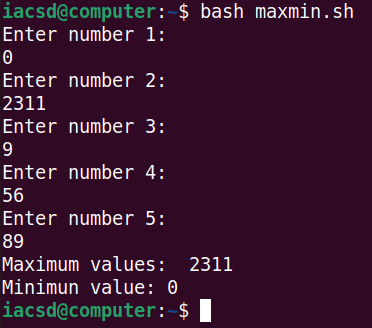
3) Write a Linux shell script to accept 10 number and tell how many are +tive, -tive and zero.



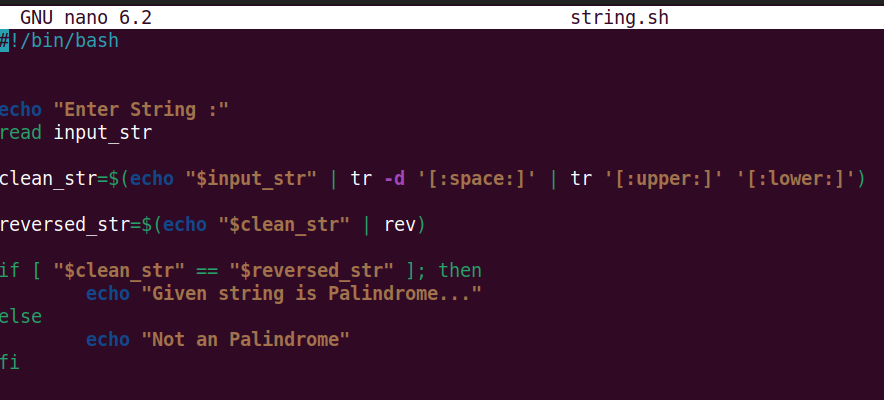


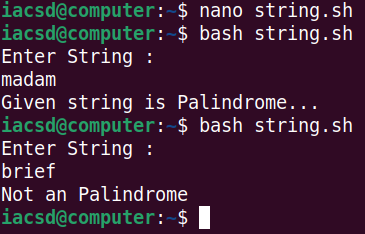
4) Write a shell script to accept five number and display max and min value.



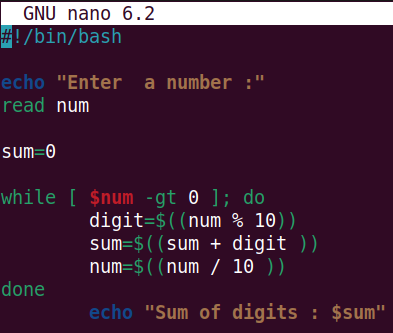


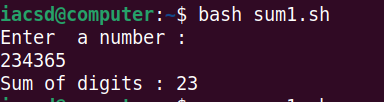
5) Write a script to find out String is palindrome or not.





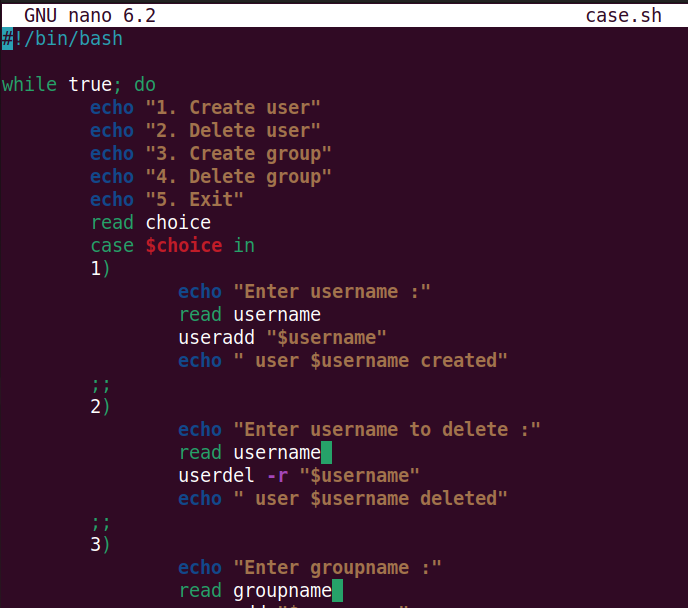
6) Write a shell script to print given number’s sum of all digits (eg. If number is 123, then it’s sum of all digits will be 1+2+3=6)

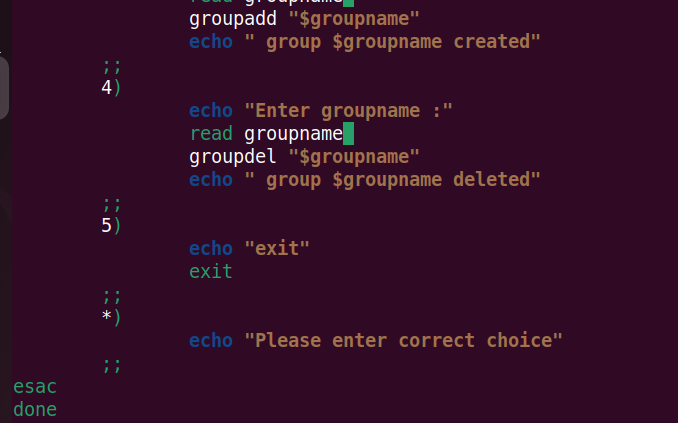


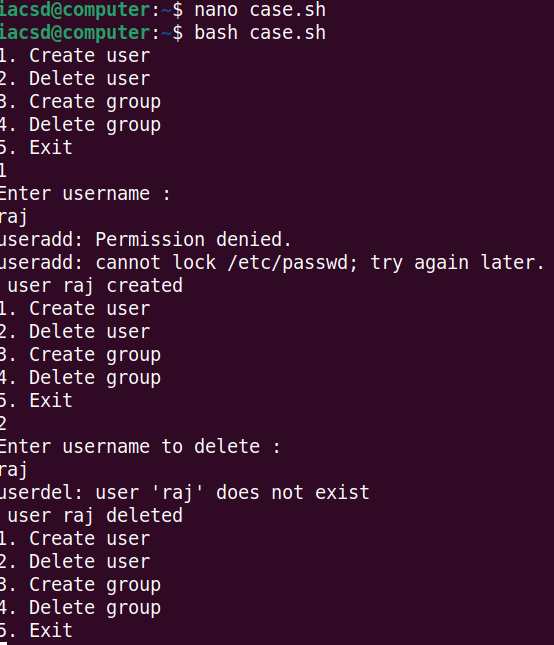


7) Create a script to

Create user , Delete user , Create group , delete Group using case







Exercise

Q1.

#!/bin/bash

read -p "enter first number:" fir

read -p "enter second number:" sec

if (($fir > $sec))

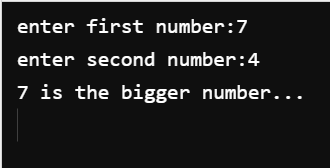
then

echo "$fir is the bigger number..."

else

echo "$sec is the bigger number..."

fi



Q2.

#!/bin/bash

read -p "enter first number:" fir

read -p "enter second number:" sec

read -p "enter third number:" thr

if (($fir > $sec))

then

if (($fir > $thr))

then

echo "$fir is the bigger number..."

else

echo "$thr is the bigger number..."

fi

elif [ $sec -gt $fir ]

then

if (($sec > $thr))

then

echo "$sec is the bigger number..."

else

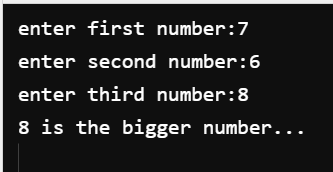
echo "$thr is the bigger number..."

fi

else

echo "invalid..."

fi



Q3.

#!/bin/bash

read -p "enter num number:" num

if (($num > 0))

then

echo "number is positive..."

elif (($num == 0 ))

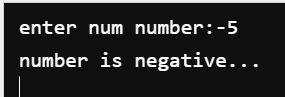
then

echo "number is zero..."

else

echo "number is negative..."

fi



Q4.

#!/bin/bash

read -p "enter number:" num

if (($num % 5==0))

then

if (( $num%11==0))

then

echo "$num is divisible by 5 and 11..."

else

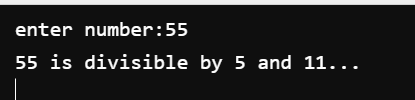
echo "$num is not divisible by 5 and 11..."

fi

else

echo "$num is not divisible by 5 and 11..."

fi



Q5.

#!/bin/bash

read -p "enter number:" num

if (($num % 2==0))

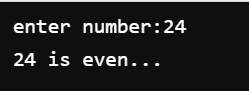
then

echo "$num is even..."

else

echo "$num is odd..."

fi



Q6.

read -p "Enter year:" year

if (( $year%4==0 ))

then

if (( $year%100==0 ))

then

if (( $year%400==0 ))

then

echo "Leap Year $year"

else

echo "Not a Leap Year"

fi

else

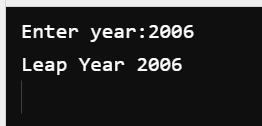
echo "Leap Year $year"

fi

else

echo "Leap Year $year"

fi



Q7.

read -p "Enter Number:" num

case $num in

1)

echo "One"

;;

2)

echo "Two"

;;

3)

echo "Three"

;;

4)

echo "Four"

;;

5)

echo "Five"

;;

6)

echo "Six"

;;

7)

echo "Seven"

;;

8)

echo "Eight"

;;

9)

echo "Nine"

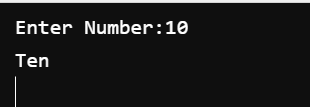
;;

10)

echo "Ten"

;;

esac



Q8.

read -p "Enter Id:" id

case $id in

1)

echo "Clerk"

;;

2)

echo "Manager"

;;

3)

echo "Analyst"

;;

4)

echo "Salesman"

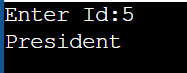
;;

5)

echo "President"

;;

esac



Q9.

#!/bin/bash

read -p "Set Password:" pword

echo "...Password Set Successfully..."

read -p "Enter Password:" password

case $password in

$pword)

echo "Password Accepted..."

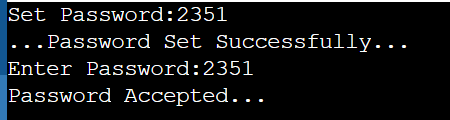
;;

\*)

echo "Invalid Password..."

;;

esac



Q10.

#!/bin/bash

read -p "Enter day of week(1-7):" day

case $day in

1)

echo "Monday"

;;

2)

echo "Tuesday"

;;

3)

echo "Wednesday"

;;

4)

echo "Thursday"

;;

5)

echo "Friday"

;;

6)

echo "Saturday"

;;

7)

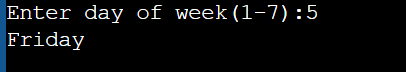
echo "Sunday"

;;

\*)

echo "Enter Valid Day...."

esac



Q11.

#!/bin/bash

read -p "Enter First Number:" num1

read -p "Enter Second Number:" num2

read -p "Enter operation(+,-,/,\*):" operation

case $operation in

+)

sum=$(($num1+$num2))

echo "Sum $num1+$num2="$sum

;;

-)

Sub=$(($num1-$num2))

echo "Sub $num1-$num2="$Sub

;;

/)

Division=$(($num1/$num2))

echo "Division $num1/$num2="$Division

;;

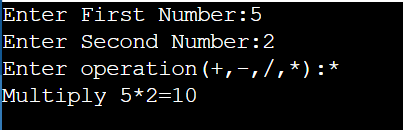
\*)

Multiply=$(($num1\*$num2))

echo "Multiply $num1\*$num2="$Multiply

;;

esac



Loops

Q1.

#!/bin/bash

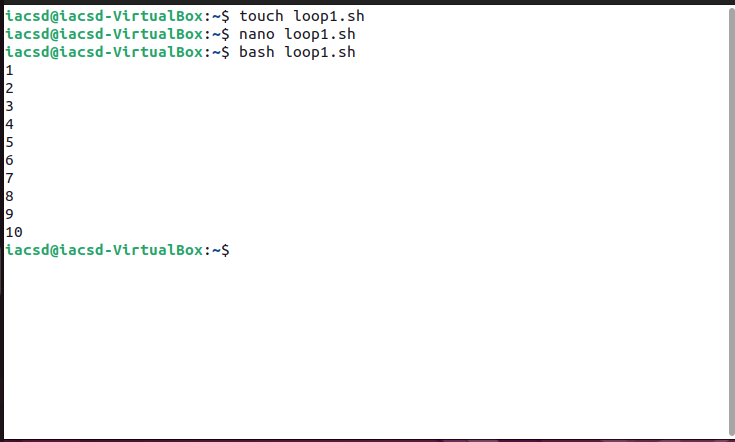
for I in {1..10}

do

echo $i

((i++))

done



Q2.

#!/bin/bash/

sum=0

for((i=0;i<=10;i++))

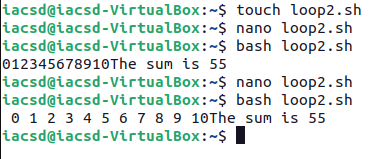
do

echo –n “$i ”

sum=$((sum+i))

done

echo –e “The Sum is:” $sum



Q3.

#!/bin/bash/

Read –p “Enter a number” num

sum=0

echo “First $sum natural numbers are:”

for((i=0;i<=$num;i++))

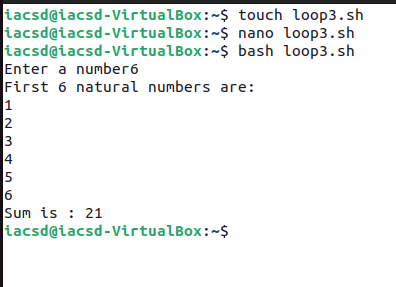
do

echo –n “$i ”

sum=$((sum+i))

done

echo –e “Sum is:” $sum



Q4.

#!/bin/bash/

sum=0

cnt=10

echo –n “Enter 10 numbers:”

for((i=0;i<=cnt;i++))

do

read n

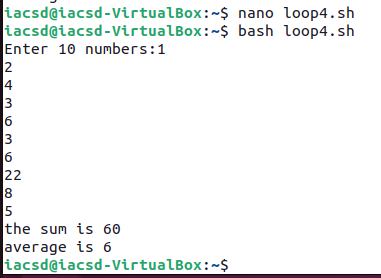
sum=$((sum+n))

done

avg=$((sum/cnt))

echo “the sum is $sum”

echo “average is $avg”



Q5.

#!/bin/bash

echo “Enter a number”

read num

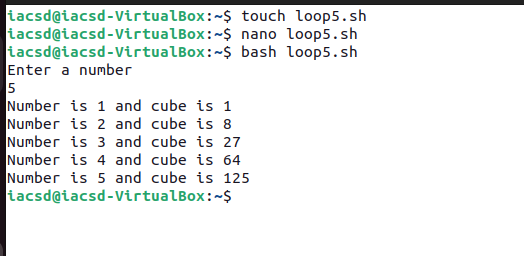
for((i=1;i<=num;i++))

do

cube=$((i\*i\*i))

echo “Number is $i and cube is $cube”

done



Q6.

#!/bin/bash

echo “Enter a number”

read num

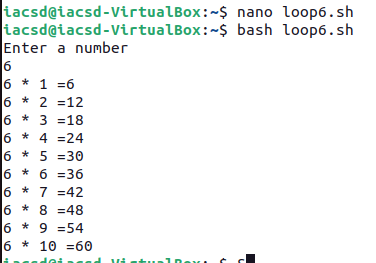
for((i=1;i<=10;i++))

do

result=$((num \*i))

echo “$num \* $i=$result”

done



Q7.

#!/bin/bash

echo "Enter upto the table number starting from 1:"

read num

for((i=1;i<=num;i++))

do

for((j=1;j<=10;j++))

do

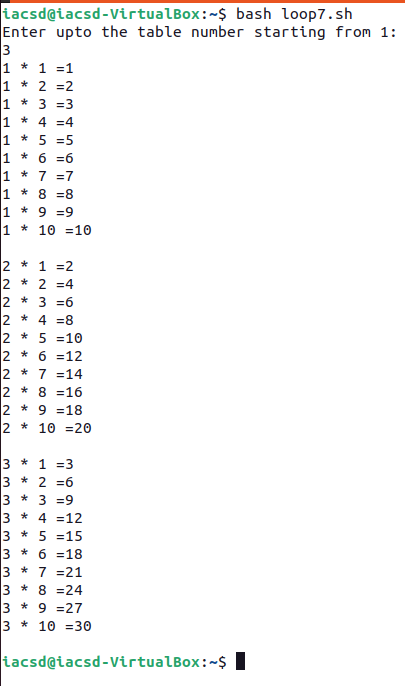
pro=$((i\*j))

echo "$i \* $j = $pro"

done

echo ""

done



O8. #!/bin/bash

echo "input num of terms: "

read n

count=0

odd="

cur=1

while [$count -lt $n]

do

if [ $((cur % 2)) -ne 0 ]; then

odd="$odd $cur"

Sum=$((sum+ cur))

count=$((count+ 1))

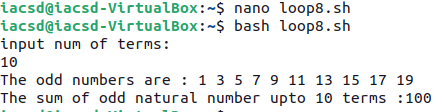
fi

cur=$((cur +1))

done

echo "The odd numbers are :$odd"

echo "The sum of odd natural number upto $n terms :$sum"



Q9.

#!/bin/bash

echo “Enter number of rows”

read row

for(i=1;i<=row;i++))

do

for(j=1;j<=i;j++))

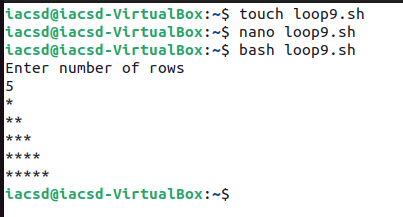
do

echo –n “\*”

done

echo “”

done



Q10.

#!/bin/bash

echo “Enter number of rows”

read row

for(i=1;i<=row;i++))

do

for(j=1;j<=i;j++))

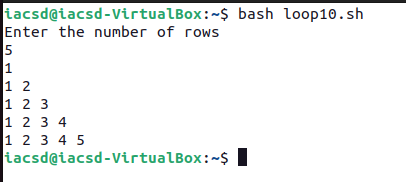
do

echo –n “$j”

done

echo “”

done



Q11.

#!/bin/bash

echo “Enter number of rows”

read n

for(i=1;i<=n;i++))

do

for(j=1;j<=i;j++))

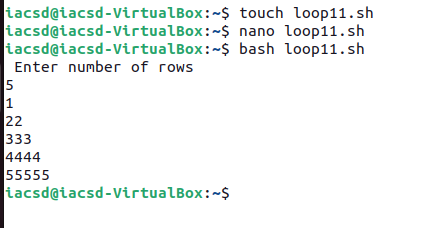
do

echo –n “$i”

done

echo “”

done



Q12.

#!/bin/bash

echo “Enter number of rows”

read row

num=1

for(i=1;i<=row;i++))

do

for(j=1;j<=i;j++))

do

echo –n “$num ”

num=$((num+1))

done

echo “”

done

