**1. Display your current shell on terminal using echo command.**

**2. Display files and directories in present working directory using echo command.**

**3. Write a shell script to Print prime numbers from 1 to n. Read the value of n from user.**

#!/bin/bash

echo -e "enter the number : \c"

read n

for ((i=2;i<=$n/2;i++))

do

ans=$(( n%i ))

if [ $ans -eq 0 ]

then

echo "$ is not a prime number"

exit 0

fi

done

echo "$n is aprime number"

**4. Write a script to check given number is even or odd.**

#!bin/bash

echo "enter the numbber"

read num

let res=num%2

if [ $res -eq 0 ]

then

echo "even number"

else

echo "odd number"

fi

**5. Write a shell script to convert a decimal number to binary number. 4.**

**6.Write a script to swap 2 numbers using intermediate variable.**

#!/bin/bash

echo " number the number "

read x

read y

echo "before swap"

echo "$x $y"

let temp=$x

a=$y

b=$temp

echo "after swap"

echo "$a $b"

**7. Write a script to swap 2 numbers without using intermediate variable.**

#!/bin/bash

echo "ebter number"

read x

read y

echo "before swap"

echo $x $y

let x=$x+$y

let y=$x-$y

let x=$x-$y

echo $x $y

**8. Write a script to reverse a number using while loop.**

**Example: input : 12 output: 21**

**input : 213 output: 312**

**input : 125634 output:436521**

#!/bin/bash

echo "enter the number"

read n

i=1

n1=$n

while [ $n -gt 0 ]

do

r=$((n%10))

s=$((s\*10+r))

n=$((n/10))

done

echo $s

**9. print multiplication table of integer using while loop.**

**Example: 2 x 1 = 2**

**2 x 2 = 4 ……….**

#!bin/bash

echo "table"

read n

i=1

while [ $i -le 10 ]

do

echo "$n x $i ="$((n\*i))

i=$((i+1))

done

**10. Get year as an input from user and find whether year is leap year or not.**

#!bin/bash

echo "enter the year"

read n

if [ $((n%4)) -eq 0 -a $((n%100)) -ne 0 -o $((n%400)) -eq 0 ]

then

echo "leap year"

else

echo "not leap year"

fi