1. Write a program to print your name.

echo”Rinsa Rees”

1. Write a shell program to perform arithmetic operation.

echo "enter first number"

read a

echo "enter second number"

read b

add=` expr $a + $b `

sub=` expr $a - $b `

mul=` expr $a \\* $b `

div=` expr $a / $b `

echo "the sum of $a and $b is $add"

echo "the substraction of $a and $b is $sub"

echo "the product of $a and $b is $mul"

echo "the division of $a and $b is $div”

1. write a program to find given number is prime or not.

echo enter a number

read n

i=2

p=0

a=` expr $n / 2 `

while [ $i -le $a ]

do

b=` expr $n % $i `

if [ $b -eq 0 ]

then

p=1

break

fi i=` expr $i + 1 `

done

if [ $p -eq 0 ]

then

echo $n is prime

else

echo $n is not prime

fi

1. Shell program to find a number is even or odd.

echo "Even or odd"

echo "Enter a number"

read n

echo "Result"

if [ `expr $n % 2` == 0 ]

then

echo "$n is even"

else

echo "$n is odd"

fi

1. To print factorial of N number.

read n

j=1

while [ $j -le $n ]

do

f=1

i=1

while [ $i -le $j ]

do

f=` expr $f \\* $i `

i=` expr $i + 1 `

done

echo Factorial of $j is:$f

j=` expr $j + 1 `

done

1. Shell program to find the sum of digits.

echo "Enter a number"

read num

sum=0

while [ $num -gt 0 ]

do

mod=$((num % 10))

sum=$((sum + mod))

num=$((num / 10))

done

echo $sum

1. Shell program to find larger of two numbers.

echo "Enter two numbers"

read a b

if [ $a -gt $b ]

then

echo "$a is largest"

else

echo "$b is largest"

fi

1. shell script to find the greatest of three numbers

echo "Enter Num1"

read num1

echo "Enter Num2"

read num2

echo "Enter Num3"

read num3

if [ $num1 -gt $num2 ] && [ $num1 -gt $num3 ]

then

echo $num1

elif [ $num2 -gt $num1 ] && [ $num2 -gt $num3 ]

then

echo $num2

else

echo $num3

fi

1. Shell Program to print n natural numbers

echo "enter the value of n:"  
read n  
for((i=1;i<=n;i++))  
do  
echo " $i"  
  
done

## Sum of n numbers using while loop - Shell Script

echo "Enter Size(N)"

read N

i=1

sum=0

echo "Enter Numbers"

**while** [ $i -le $N ]

**do**

read num

sum=**$((**sum + num**))**  #sum+=num

i=**$((**i + **1))**

**done**

echo $sum

1. using for loop

echo "Enter the number of N"

read n

sum=0

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

do

sum=$((sum + I))

done

echo "The sum of first N number is \t $sum"