Q1. Write a program in R to accept your name and roll number and print those information.

> nm=readline("Enter your name:")

Enter your name:Biswajit

> r=readline("Enter your roll number:")

Enter your roll number:21DIS115

> cat("Name-",nm,"\n")

Name- Biswajit

> cat("Roll number-",r,"\n")

Roll number- 21DIS115

Q2. Write a program in R to check whether a given integer is even or odd.

> num=as.integer(readline("Enter an integer: "))

Enter an integer: 115

> if(num%%2==0)

+ {

+ cat(num, "is EVEN\n")

+ }else{

+ cat(num, "is ODD\n")

+ }

115 is ODD

Q3. Write a program in R to perform all arithmetic operation on two numbers based on choice.

> x=as.numeric(readline("Enter first number: "))

Enter first number: 56

> y=as.numeric(readline("Enter second number: "))

Enter second number: 14

> ch=readline("Enter choice 1-Add 2-Subtract 3-Multiply

+ 4-Division : ")

Enter choice 1-Add 2-Subtract 3-Multiply 4-Division : 4

> switch(ch,

+ "1"=cat("Sum=",x+y,"\n"),

+ "2"=cat("Difference=",x-y,"\n"),

+ "3"=cat("Product=",x\*y,"\n"),

+ "4"=cat("Quotient=",x/y,"\n")

+ )

Quotient= 4

Q4.Write a program in R to print multiplication table of a given integer upto 15.

> n=as.integer(readline("Enter an integer:"))

Enter an integer:17

> cat("MULTIPLICATION TABLE of",n,"\n")

MULTIPLICATION TABLE of 17

> for( i in 1:15)

+ cat(n,"\*",i,"=",n\*i,"\n")

17 \* 1 = 17

17 \* 2 = 34

17 \* 3 = 51

17 \* 4 = 68

17 \* 5 = 85

17 \* 6 = 102

17 \* 7 = 119

17 \* 8 = 136

17 \* 9 = 153

17 \* 10 = 170

17 \* 11 = 187

17 \* 12 = 204

17 \* 13 = 221

17 \* 14 = 238

17 \* 15 = 255

Q5. Write a program in R to find out sum of digits of a given integer.

> num=as.integer(readline("Enter a positive integer: "))

Enter a positive integer: 459

> temp=num

> sum=0

> while(num!=0)

+ {

+ rem=num%%10

+ sum=sum+rem

+ num=num%/%10

+ }

> cat("Sum of Digits of number",temp,"=",sum,"\n")

Sum of Digits of number 459 = 18