x=c(1,2,3,4,5,6,7,8,9,10)

y = 10:1

y

x+y

x\*y

z=x\*y

z

sqrt(z)

z

z = sqrt(z)

z = z^2

z\*2

z/2

z^z

1:20

-5:5

n = -5:5

n

x=c(1,2,3,4,5)

x<-1:10

y<-1:5

x+y

x=1:25

y=c(2)

x^1/y

sqrt(x)

x=c("charan","aluri","sukeerthi","aluri")

x=as.factor(x)

x

x=1:20

y=1:10

length(x+y)

x+y

a=1:10

a+b

b=c(1,2)

x<y

x>y

x>=y

any(x=y)

any(x==y)

x=1

x==1

q<-c("cricket","hockey","football","basketball","baseball")

length(q)

nchar(q)

x[1:5]

x<-1:20

x[1:4]

x[2:8]

x=c(10,45,18,7,9,22,19)

x[1:3]

y[c(1,4)]

q1=c(q,"soccer","kabaddi")

q1=as.factor(q1)

q1

q1factor=as.factor(q1)

q1factor

w=c(name="charan",rollno="208w1a1268",lastname="aluri")

w

length(x)<length(y)

x=c(2,3,4,5,6,7,8,1)

y=c(1,2,3,4)

x+y

w=c("bhanu","w1299","prakash")

w

> x=c(1,2,3,4,5,6,7,8,9,10)

> y = 10:1

> y

[1] 10 9 8 7 6 5 4 3 2 1

> x+y

[1] 11 11 11 11 11 11 11 11 11 11

> x\*y

[1] 10 18 24 28 30 30 28 24 18 10

> z=x\*y

> z

[1] 10 18 24 28 30 30 28 24 18 10

> sqrt(z)

[1] 3.162278 4.242641 4.898979 5.291503 5.477226 5.477226 5.291503 4.898979 4.242641 3.162278

> z

[1] 10 18 24 28 30 30 28 24 18 10

> z = sqrt(z)

> z = z^2

> z\*2

[1] 20 36 48 56 60 60 56 48 36 20

> z/2

[1] 5 9 12 14 15 15 14 12 9 5

> z^z

[1] 1.000000e+10 3.934641e+22 1.333736e+33 3.314552e+40 2.058911e+44 2.058911e+44 3.314552e+40 1.333736e+33 3.934641e+22

[10] 1.000000e+10

> 1:20

[1] 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

> -5:5

[1] -5 -4 -3 -2 -1 0 1 2 3 4 5

> n = -5:5

> n

[1] -5 -4 -3 -2 -1 0 1 2 3 4 5

> x=c(1,2,3,4,5)

> x<-1:10

> y<-1:5

> x+y

[1] 2 4 6 8 10 7 9 11 13 15

> x=1:25

> y=c(2)

> x^1/y

[1] 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 10.0 10.5 11.0 11.5

[24] 12.0 12.5

> sqrt(x)

[1] 1.000000 1.414214 1.732051 2.000000 2.236068 2.449490 2.645751 2.828427 3.000000 3.162278 3.316625 3.464102 3.605551

[14] 3.741657 3.872983 4.000000 4.123106 4.242641 4.358899 4.472136 4.582576 4.690416 4.795832 4.898979 5.000000

> x=c("charan","aluri","sukeerthi","aluri")

> x=as.factor(x)

> x

[1] charan aluri sukeerthi aluri

Levels: aluri charan sukeerthi

> x=1:20

> y=1:10

> length(x+y)

[1] 20

> x+y

[1] 2 4 6 8 10 12 14 16 18 20 12 14 16 18 20 22 24 26 28 30

> a=1:10

> b=c(1,2)

> a+b

[1] 2 4 4 6 6 8 8 10 10 12

> x<y

[1] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE

[20] FALSE

> x>y

[1] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE

[20] TRUE

> x>=y

[1] TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE TRUE

> any(x=y)

[1] TRUE

> any(x==y)

[1] TRUE

> x=1

> x==1

[1] TRUE

> q<-c("cricket","hockey","football","basketball","baseball")

> length(q)

[1] 5

> nchar(q)

[1] 7 6 8 10 8

> x[1:5]

[1] 1 NA NA NA NA

> x<-1:20

> x[1:4]

[1] 1 2 3 4

> x[2:8]

[1] 2 3 4 5 6 7 8

> x=c(10,45,18,7,9,22,19)

> x[1:3]

[1] 10 45 18

> y[c(1,4)]

[1] 1 4

> q1=c(q,"soccer","kabaddi")

> q1=as.factor(q1)

> q1

[1] cricket hockey football basketball baseball soccer kabaddi

Levels: baseball basketball cricket football hockey kabaddi soccer

> q1factor=as.factor(q1)

> q1factor

[1] cricket hockey football basketball baseball soccer kabaddi

Levels: baseball basketball cricket football hockey kabaddi soccer

> w=c(name="charan",rollno="208w1a1268",lastname="aluri")

> w

name rollno lastname

"charan" "208w1a1268" "aluri"

> length(x)<length(y)

[1] TRUE

> x=c(2,3,4,5,6,7,8,1)

> y=c(1,2,3,4)

> x+y

[1] 3 5 7 9 7 9 11 5

> w=c("bhanu","w1299","prakash")

> w

[1] "bhanu" "w1299" "prakash"

>