In [1]:

```
# repeat loop
res=1
i=1
repeat
    {
    print(res)
    i=i+1
    res=res+1          #increment operator
if (i>5)
    {
    break               # comdition
}
}
```

```
[1] 1
[1] 2
[1] 3
[1] 4
[1] 5
```

In [2]:

```
case=as.integer(readline("which case"))
switch(case,"Add","Sub","mul")
```

```
which case1
```

'Add'

In [3]:

```
switch("color",name="xyz",age=12,dept="Cse",color="black")
```

'black'

In [4]:

```
a=function(name,age)
    {
    paste("name is ",name,"  and my age is ",age)  #required argument
}
a("harish",18)
```

'name is harish   and my age is 18'

In [5]:

```
a=function(name,age=18)   #18 is the default value of age
    {
    paste("name is ",name,"  and my age is ",age)         # DEFAULT argument
}
a("harish",12)
a("ak")
```

'name is harish   and my age is 12'

'name is ak   and my age is 18'

In [6]:

```
a=function(name,age)
    {
    paste("name is ",name,"  and my age is ",age)         # keyword argument
}
a(name="harish",age=18)
```

'name is harish   and my age is 18'

In [10]:

```
print("for add enter : 1 ********* for sub enter :2   **********  for mul enter : 3 *******
case = as.integer(readline("Case No: "))
a = as.integer(readline("enter num 1 : "))
b = as.integer(readline("enter num 2 : "))
funad = function(a,b)
    {
    print(a+b)
}

funsu = function(a,b)
    {
    print(a-b)
}

funmu = function(a,b)
    {
    print(a*b)
}

fundi = function(a,b)
    {
    print(a/b)
}
switch(case,funad(a,b),funsu(a,b),funmu(a,b),fundi(a,b))
```

```
[1] "for add enter : 1 ********* for sub enter :2   **********  for mul ente
r : 3 ************** for div: enter 4"
Case No: 2
enter num 1 : 100
enter num 2 : 20
[1] 80
```

In [17]:

```
# normal distribution value
rnorm(3,mean=5,sd=2)
```

5.8600928089939 5.12986059345894 6.67537583391385

In [18]:

```
rnorm(3)
```

-2.28146318186595 -0.883543142738123 -0.268547937587251

In [23]:

```
#unifrom distribution
set.seed(101)   #to get same values everytime
runif(3,min=10,max=100)
```

43.4978538705036 13.9442333881743 73.8715616450645

In [20]:

```
runif(1)
```

0.100387700134888

In [ ]:

```

```