In [3]:

```
#create 2 vector
#Take this vector as input to array
v1<-c(1,2,3)
v2<-c(10,11,12,13,14,15)
a<-array(c(v1,v2),dim=c(3,3,2))
print(a)
```

```
, , 1

     [,1] [,2] [,3]
[1,]    1   10   13
[2,]    2   11   14
[3,]    3   12   15

, , 2

     [,1] [,2] [,3]
[1,]    1   10   13
[2,]    2   11   14
[3,]    3   12   15
```

In [8]:

```
#Naming columns and rows
v1<-c(1,2,3)
v2<-c(10,11,12,13,14,15)

col.names<-c('col1','col2','col3')
row.names<-c('row1','row2','row3')
matrix.names<-c('matrix1','matrix2')
a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))
print(a)
```

```
, , matrix1

     col1 col2 col3
row1    1   10   13
row2    2   11   14
row3    3   12   15

, , matrix2

     col1 col2 col3
row1    1   10   13
row2    2   11   14
row3    3   12   15
```

In [13]:

```
#Accesing Array elements
```

In [10]:

```
v1<-c(1,2,3)
v2<-c(10,11,12,13,14,15)

col.names<-c('col1','col2','col3')
row.names<-c('row1','row2','row3')
matrix.names<-c('matrix1','matrix2')
a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))

print(a[3,,2])
```

```
col1 col2 col3
   3   12   15
```

In [11]:

```
v1<-c(1,2,3)
v2<-c(10,11,12,13,14,15)

col.names<-c('col1','col2','col3')
row.names<-c('row1','row2','row3')
matrix.names<-c('matrix1','matrix2')
a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))

print(a[2,3,2])
```

```
[1] 14
```

In [4]:

```
v1<-c(1,2,3)
v2<-c(10,11,12,13,14,15)

col.names<-c('col1','col2','col3')
row.names<-c('row1','row2','row3')
matrix.names<-c('matrix1','matrix2')
a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))
print(a[,,2])
```

```
     col1 col2 col3
row1    1   10   13
row2    2   11   14
row3    3   12   15
```

In [ ]:

```

```