```
In [3]:
 1 #create 2 vector
 2 #Take this vector as input to array
 3 v1<-c(1,2,3)
 4 v2<-c(10,11,12,13,14,15)
 5 a<-array(c(v1,v2),dim=c(3,3,2))
 6 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
[2,]
[3,]
         3 12
                  15
In [8]:
 1 #Naming columns and rows
 2 v1<-c(1,2,3)
 3 v2<-c(10,11,12,13,14,15)
 5 col.names<-c('col1','col2','col3')</pre>
 6 row.names<-c('row1','row2','row3')
7 matrix.names<-c('matrix1','matrix2')</pre>
 8 | a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))
 9 print(a)
, , matrix1
     col1 col2 col3
       1 10 13
row1
         2 11
3 12
row2
                   14
row3
                   15
, , matrix2
     col1 col2 col3
row1
      1 10 13
         2 11
3 12
row2
                   14
row3
                   15
In [13]:
 1 #Accesing Array elements
In [10]:
 1 v1<-c(1,2,3)
 2 v2<-c(10,11,12,13,14,15)
 4 col.names<-c('col1','col2','col3')
5 row.names<-c('row1','row2','row3')
6 matrix.names<-c('matrix1','matrix2')</pre>
    a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))
 8
 9 print(a[3,,2])
col1 col2 col3
   3 12 15
In [11]:
 1 v1<-c(1,2,3)
  2 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')</pre>
 7 a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,col.names,matrix.names))
 8
 9 print(a[2,3,2])
[1] 14
```

localhost:8889/notebooks/R programs/Array.ipynb

```
In [4]:

1  v1<-c(1,2,3)
2  v2<-c(10,11,12,13,14,15)
3
4  col.names<-c('col1','col2','col3')
5  row.names<-c('matrix1','matrix2')
6  matrix.names<-c('matrix1','matrix2')
7  a<-array(c(v1,v2),dim=c(3,3,2),dimnames=list(row.names,matrix.names))
8  print(a[,,2])

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

In []:

1</pre>
```