Importing pandas library

```
In [9]:  import csv
         import pandas as pd
```

1. Write 5 records using writer object in file.

```
In [10]:  def Q1():
              with open('salary.csv','w',newline='') as sal:
                  data=[['Empid','Empname','Department','Experience','Salary'],
                        [1,'ABC','BCA','4 Years',40000],
                        [2,'DEF','BBA','3 Years',30000],
                        [3,'GHI','MCA','2 Years',20000],
                        [4,'JKL','MBA','3 Years',30000],
                        [5,'MNO','MCA','5 Years',50000]]
                  w=csv.writer(sal)
                  w.writerows(data)
              print('Data are Successfully Written.')
```

2. Read file using reader object and print file in proper format.

```
In [11]:  def Q2():
              with open('salary.csv','r',newline='') as sal:
                  r=csv.reader(sal)
                  for i in sal:
                      print(i)
```

3. Append 2 record into file and display it.

```
In [13]:  def Q3():
              with open('salary.csv','a',newline='') as sal:
                  data=[[6,'PQR','BCA','6 Years',60000],
                        [7,'XYZ','MBA','4 Years',40000]]
                  w=csv.writer(sal)
                  w.writerows(data)
              Q2()
```

4. Read data from file and print total salary of "BCA" department.

```
In [15]: def Q4():
             with open('salary.csv','r',newline='') as sal:
                 data=csv.DictReader(sal)
                 l=[]
                 s=0
                 for i in data:
                     d=i['Department']
                     if d=='BCA':
                         s+=int(i['Salary'])
                 print('The total Salary of BCA Department is : {}'.format(s))
```

5. Read file using PANDA library and display records.

```
In [16]: def Q5():
             df=pd.read_csv('salary.csv')
             print(df)
```

```
In [17]: Q1()
```

Data are Successfully Written.

```
In [18]: Q2()
```

Empid,Empname,Department,Experience,Salary

1,ABC,BCA,4 Years,40000

2,DEF,BBA,3 Years,30000

3,GHI,MCA,2 Years,20000

4,JKL,MBA,3 Years,30000

5,MNO,MCA,5 Years,50000

```
In [19]: Q3()
```

Empid,Empname,Department,Experience,Salary

1,ABC,BCA,4 Years,40000

2,DEF,BBA,3 Years,30000

3,GHI,MCA,2 Years,20000

4,JKL,MBA,3 Years,30000

5,MNO,MCA,5 Years,50000

6,PQR,BCA,6 Years,60000

7,XYZ,MBA,4 Years,40000

```
In [20]: Q4()
```

The total Salary of BCA Department is : 100000

```
In [21]: Q5()
```

	Empid	Empname	Department	Experience	Salary
0	1	ABC	BCA	4 Years	40000
1	2	DEF	BBA	3 Years	30000
2	3	GHI	MCA	2 Years	20000
3	4	JKL	MBA	3 Years	30000
4	5	MNO	MCA	5 Years	50000
5	6	PQR	BCA	6 Years	60000
6	7	XYZ	MBA	4 Years	40000

```
In [ ]:
```