

CSV Read

- The data organised in **text files** , values **separated by comma (,)** new data given in **next line** this type of data arrangement is called **CSV files**
- CSV files will not have images and audios it'll only have text data
- This files are supported by many spread sheets applications like MS-Excel , Numbers , Open Office etc lets see this with an example
- Creating an MS-Excel file with employee data

	A	B	C	D
1	EmpID	Name	Salary	
2	e101	Pramod	1200000	
3	e120	Dinesh	2200000	
4	e205	Sabesta	1500000	
5	e331	Harry	1700000	
6	e421	Avinash	1300000	
7	e231	Joy	2300000	
8	e222	Smith	2100000	
9	e339	Khan	1800000	
10	e150	Dilip	1900000	
11	e131	Kiran	800000	
12				
13				
14				

- Our data is ready now we'll use python program to read this CSV data

```
import csv

f = open('Employees.csv','r')

csv_reader = csv.reader(f)

for row in csv_reader:
    print(row)
```

```

C:\Users\Abdul Bari\Desktop\MyPython>python CSVRead.py
['EmpID', 'Name', 'Salary']
['e101', 'Pramod', '1200000']
['e120', 'Dinesh', '2200000']
['e205', 'Sabesta', '1500000']
['e331', 'Harry', '1700000']
['e421', 'Avinash', '1300000']
['e231', 'Joy', '2300000']
['e222', 'Smith', '2100000']
['e339', 'Khan', '1800000']
['e150', 'Dilip', '1900000']
['e131', 'Kiran', '800000']

```

- To find the minimum and maximum salary of employees we can do

```

import csv

f = open('Employees.csv', 'r')

csv_reader = csv.reader(f)

next(csv_reader)

sals = []
for row in csv_reader:
    sals.append(int(row[2]))

print(sals)
print('Min', min(sals))
print('Max', max(sals))

```

```

C:\Users\Abdul Bari\Desktop\MyPython>python CSVRead.py
[1200000, 2200000, 1500000, 1700000, 1300000, 2300000, 2100000, 1800000, 1900000, 800000]
Min 800000
Max 2300000

```