

CSV Files

- We can read the CSV data in the form of dictionary as well for example

```
import csv

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

rdr = csv.DictReader(f)

for row in rdr:
    print(row)

f.close()
```

Opening a CSV file in read mode

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

Shows data in dictionary

- You can read a CSV file both in list and dictionary

```
import csv

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

rdr = csv.DictReader(f)
I
emps = {}

for row in rdr:
    emps[row['Name']] = row

print(emps)
|
f.close()
```

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

- If you want details of a particular person then do

```
import csv

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

rdr = csv.DictReader(f)

emps = {}

for row in rdr:
    emps[row['Name']] = row

#print(emps)

print('Harry ',emps['Harry'])

f.close()
```

```
C:\Users\Abdul Bari\Desktop\MyPython>python CSVDictRead.py
Harry  {'EmpID': 'e331', 'Name': 'Harry', 'Salary': '1700000'}
```

- To beautify the Output for better readability

```

import csv
import pprint

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

rdr = csv.DictReader(f)

emps = {}

for row in rdr:
    emps[row['Name']] = row

pprint.pprint(emps)

f.close()

```

```

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

```