Reading CSV Files using pandas library

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```
import pandas
data = pandas.read_csv("student.csv")
print(data)
```

```
   rollno    name  cpi
0      11   Hiren  9.8
1      22   Pradip  7.7
2      33   Sanjay  8.2
3      44   Vijay  8.0
4      55  Parimal  7.9
```

student.csv

```
rollno,name,cpi
11,"Hiren",9.8
22,"Pradip",7.7
33,"Sanjay",8.2
44,"Vijay",8.0
55,"Parimal",7.9
```

```
import pandas
data = pandas.read_csv("student.csv")
print(data)
print("-----")
dataDictionary =  data.to_dict()
print(dataDictionary)
print("-----")
dataList = data["cpi"].to_list()
print(dataList)
print("-----")
print(data["cpi"].mean())
```

```
   rollno    name  cpi
0      11   Hiren  9.8
1      22   Pradip  7.7
2      33   Sanjay  8.2
3      44   Vijay  8.0
4      55  Parimal  7.9
-----
{'rollno': {0: 11, 1: 22, 2: 33, 3: 44, 4: 55},
'name': {0: 'Hiren', 1: 'Pradip', 2: 'Sanjay', 3:
'Vijay', 4: 'Parimal'}, 'cpi': {0: 9.8, 1: 7.7, 2:
8.2, 3: 8.0, 4: 7.9}}
-----
[9.8, 7.7, 8.2, 8.0, 7.9]
-----
8.32
```

Creating CSV Files using pandas library

dict2dataFrame.py | newFile.csv

```python
import pandas
dataDictionary = {
    "rollno": [11, 22, 33, 44, 55],
    "name": ["Hiren", "Pradip", "Sanjay", "Vijay", "Parimal"],
    "cpi": [9.8, 7.7, 8.2, 8.0, 7.0]
}
df = pandas.DataFrame(dataDictionary)
df.to_csv("newFile.csv")
```

dict2dataFrame.py | newFile.csv

```
,rollno,name,cpi
0,11,Hiren,9.8
1,22,Pradip,7.7
2,33,Sanjay,8.2
3,44,Vijay,8.0
4,55,Parimal,7.0
```