Creating DataFrames

In [1]:
```
import pandas as pd
```

From dictionary

In [2]:
```
dict01 = {'Age':[10, 20, 15], 'Name':['Vinu', 'Anu', 'Dinu']}
```

In [3]:
```
df2 = pd.DataFrame(dict01)
```

In [11]:
```
df2
```

Out[11]:

	Age	Name
0	10	Vinu
1	20	Anu
2	15	Dinu

In [12]:
```
df2.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 3 entries, 0 to 2
Data columns (total 2 columns):
 #   Column  Non-Null Count  Dtype 
---  ------  --------------  ----- 
 0   Age     3 non-null      int64 
 1   Name    3 non-null      object
dtypes: int64(1), object(1)
memory usage: 176.0+ bytes
```

DataFrame using Lists:

In [4]:
```
names = ["Manu", "Binu", 'Vinu']
age = [27,26,25]
```

In [5]:
```
df1 = pd.DataFrame(list(zip(names, age)), columns=['Names', 'Age'])
```

In [6]:
```
df1
```

Out[6]:

	Names	Age
0	Manu	27
1	Binu	26
2	Vinu	25

DataFrame from Lists of Dictionaries

In [7]:
```
lst = [
    {'Name':'Arun', 'Age':29, 'Gender':'Male'},
    {'Name':'Manu', 'Age':28, 'Gender':'Male'},
    {'Name':'Safeer', 'Age':20, 'Gender':'Male'},
    {'Name':'Radha', 'Age':27, 'Gender':'Female'},
    {'Name':'Vivek', 'Age':28, 'Gender':'Male'},
]
```

In [8]:
```
df = pd.DataFrame(lst)
```

In [9]:
```
df
```

Out[9]:

	Name	Age	Gender
0	Arun	29	Male
1	Manu	28	Male
2	Safeer	20	Male
3	Radha	27	Female
4	Vivek	28	Male

In [10]:
```
df2
```

Out[10]:

	Age	Name
0	10	Vinu
1	20	Anu
2	15	Dinu

Task :Create a DataFrame for the class with Name, Age, Gender, Qualification, Place using all the 3 methods