Pandas DataFrame

In [2]:
```python
import pandas as pd
import numpy as np
```

dataFrame using list

In [4]:
```python
df=pd.DataFrame([11,22,33,44])
```

In [5]:
```python
df
```

Out[5]:

	0
0	11
1	22
2	33
3	44

In [15]:
```python
list1=[['haider',99],['usman',39],['ali',49]]
```

In [16]:
```python
list1
```

Out[16]: [['haider', 99], ['usman', 39], ['ali', 49]]

In [17]:
```python
df=pd.DataFrame(list1,columns=['Name','Marks'],index=[1,2,3],)
df
```

Out[17]:

	Name	Marks
1	haider	99
2	usman	39
3	ali	49

Using nested list

In [7]:
```python
df1=pd.DataFrame([['playing',98],['age',35],['game','hockey']])
```

In [8]: `df1`

Out[8]:

	0	1
0	playing	98
1	age	35
2	game	hockey

From dictionary

In [9]:
```python
df2=pd.DataFrame({'Name':['Usama','Ahmad','ALi'],'Marks':[498,393,490],'%age':[
df2
```

Out[9]:

	Name	Marks	%age
0	Usama	498	91%
1	Ahmad	393	88%
2	ALi	490	90%

In [10]:
```python
data=np.array([[1,2,3],[4,5,6],[7,8,9]])
df=pd.DataFrame(data,columns=['a','b','c'],index=[1,2,3])
```

In [11]: `df`

Out[11]:

	a	b	c
1	1	2	3
2	4	5	6
3	7	8	9

In [12]:
```python
d={'Name':pd.Series(['usama','ali','haider','ahmad'])
,'marks':pd.Series([90,12,12,11])}
df=pd.DataFrame(d)
```

In [14]: `df`

Out[14]:

	Name	marks
0	usama	90
1	ali	12
2	haider	12
3	ahmad	11

In [ ]: