1) Using CSV

2) Using Excel

3) From python dictionary

4) From list of tuples

5) From list of dictionaries

In [1]:
```
import pandas as pd
df=pd.read_csv("C:/Users/prasa/Desktop/ds projects/panda/weather_data3.
csv")
df
```

Out[1]:

	day	temperature	windspeed	event
0	01-01-2017	32	6	Rain
1	01-02-2017	35	7	Sunny
2	01-03-2017	28	2	Snow

In [ ]:
```
#df=pd.read_excel("weather_data.xlsx","Sheet1")
```

In [2]:
```
weather_data={
    'day':['1/1/2017','1/2/2017','1/3/2017'],
    'temperature': [32,35,28],
    'windspeed':[6,7,2],
    'event':['Rain','Sunny','Snow']
}
df=pd.DataFrame(weather_data) #dictionaries
df
```

Out[2]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow

In [10]:
```
weather_data = {
    ('1/1/2017',36,6,'Rain'),
    ('1/2/2017',35,7,'Sunny'),
    ('1/3/2017',28,2,'Snow')
}
df = pd.DataFrame(weather_data , columns = ["day","temperature","Windsp
eed","event"]) #Tuples
df
```

Out[10]:

	day	temperature	Windspeed	event
0	1/3/2017	28	2	Snow
1	1/2/2017	35	7	Sunny
2	1/1/2017	36	6	Rain

In [11]:
```
weather_data= [
    {'day':'1/1/2017','temperature':32,'windspeed':6,'event':'Rain'},
    {'day':'1/2/2017','temperature':35,'windspeed':7,'event':'Sunny'},
    {'day':'1/3/2017','temperature':28,'windspeed':2,'event':'Snow'},
]
df = pd.DataFrame(weather_data) # list of dictionaries
df
```

Out[11]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	35	7	Sunny
2	1/3/2017	28	2	Snow

In [ ]:
```
For more IO Tools refer pandas.pydata.org
```