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

Out[1]:

	day	temperature	windspeed	event
0	01-01-2017	32	6	Rain
1	01-02-2017	-99999	7	Sunny
2	01-03-2017	28	-99999	Snow
3	01-04-2017	-99999	7	0
4	01-05-2017	32	-99999	Rain
5	01-06-2017	31	2	Sunny
6	01-06-2017	34	5	0

In [2]:
```
new_df = df.replace(-99999,np.NaN) #([-99999,-88888],np.NaN)
new_df
```

Out[2]:

	day	temperature	windspeed	event
0	01-01-2017	32.0	6.0	Rain
1	01-02-2017	NaN	7.0	Sunny
2	01-03-2017	28.0	NaN	Snow
3	01-04-2017	NaN	7.0	0
4	01-05-2017	32.0	NaN	Rain
5	01-06-2017	31.0	2.0	Sunny
6	01-06-2017	34.0	5.0	0

In [7]:
```
new_df = df.replace({
    'temperature': -99999,
    'windspeed': -99999,
    'event': '0'
},np.NaN)

new_df
```

Out[7]:

	day	temperature	windspeed	event
0	01-01-2017	32.0	6.0	Rain
1	01-02-2017	NaN	7.0	Sunny
2	01-03-2017	28.0	NaN	Snow
3	01-04-2017	NaN	7.0	NaN
4	01-05-2017	32.0	NaN	Rain
5	01-06-2017	31.0	2.0	Sunny
6	01-06-2017	34.0	5.0	NaN

In [ ]:
```
"""
new_df = df.replace({
    -999999: np.NaN,
    'No Event': 'Sunny'
})
new_df
"""
```

In [11]:
```
weather_data = {
    'day': ['1/1/2017','1/2/2017','1/3/2017','1/4/2017','1/5/2017','1/
6/2017'],
    'temperature': ['32 F',-99999,28,24,32,31],
    'windspeed': ['6 mph','7 mph',-99999,7,4,2],
    'event': ['Rain', 'Sunny', 'Snow','No Event','Rain', 'No Event']
}
```

```
df = pd.DataFrame(weather_data)
df
```

Out[11]:

	day	temperature	windspeed	event
0	1/1/2017	32 F	6 mph	Rain
1	1/2/2017	-99999	7 mph	Sunny
2	1/3/2017	28	-99999	Snow
3	1/4/2017	24	7	No Event
4	1/5/2017	32	4	Rain
5	1/6/2017	31	2	No Event

Regex tutorial

In [14]:
```
new_df=df.replace({
    'temperature':'[A-Za-z]',
    'windspeed':'[A-Za-z]'
},'',regex=True)
new_df
```

Out[14]:

	day	temperature	windspeed	event
0	1/1/2017	32	6	Rain
1	1/2/2017	-99999	7	Sunny
2	1/3/2017	28	-99999	Snow
3	1/4/2017	24	7	No Event
4	1/5/2017	32	4	Rain
5	1/6/2017	31	2	No Event

In [16]:
```
df = pd.DataFrame({
    'score':['exceptional','average','good','poor','average','exception
al'],
```

```
    'student':['rob','maya','parthiv','tom','julian','erica']})
df
```

Out[16]:

	score	student
0	exceptional	rob
1	average	maya
2	good	parthiv
3	poor	tom
4	average	julian
5	exceptional	erica

In [17]:
```
new_df = df.replace(['poor','average','good','exceptional'],[1,2,3,4])
#replacing words with numbers
new_df
```

Out[17]:

	score	student
0	4	rob
1	2	maya
2	3	parthiv
3	1	tom
4	2	julian
5	4	erica