

1. What is the maximum temperature in new york in the month of january ?
2. On which days does it rain ?
3. What was the average speed of the wind during the month ?

In [18]:

```
1 import pandas as pd
2 df = pd.read_csv('newyork_weather.csv')
3 df.head()
```

Out[18]:

	EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Prec
0	1/1/2016	38	23	52	30.03	10	8.0	
1	1/2/2016	36	18	46	30.02	10	7.0	
2	1/3/2016	40	21	47	29.86	10	8.0	
3	1/4/2016	25	9	44	30.05	10	9.0	
4	1/5/2016	20	-3	41	30.57	10	5.0	

In [12]:

```
1 df['Temperature'].max() # df.Temperature.max()
```

Out[12]:

50

In [15]:

```
1 df['EST'][df['Events']=='Rain'] #df.EST[df.Events=='Rain']
```

Out[15]:

```
8      1/9/2016
9      1/10/2016
15     1/16/2016
26     1/27/2016
Name: EST, dtype: object
```

In [6]:

```
1 df.fillna(0, inplace=True)
2 df['WindSpeedMPH'].mean()
```

Out[6]:

6.225806451612903

In [16]:

```
1 df.WindSpeedMPH.mean()
```

Out[16]:

```
6.892857142857143
```