

- 1) What was max temperature in New York in the month of January?
- 2) On which days did it rain?
- 3) what was average speed of wind during the month?

```
In [3]: import pandas as pd
df = pd.read_csv('C:/Users/prasa/Desktop/weather.csv')
df
```

Out[3]:

	EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Prec
0	01-01-2016	38	23	52	30.03	10	8.0	
1	01-02-2016	36	18	46	30.02	10	7.0	
2	01-03-2016	40	21	47	29.86	10	8.0	
3	01-04-2016	25	9	44	30.05	10	9.0	
4	01-05-2016	20	-3	41	30.57	10	5.0	
5	01-06-2016	33	4	35	30.50	10	4.0	
6	01-07-2016	39	11	33	30.28	10	2.0	
7	01-08-2016	39	29	64	30.20	10	4.0	
8	01-09-2016	44	38	77	30.16	9	8.0	

	EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Prec
9	01-10-2016	50	46	71	29.59	4	NaN	
10	01-11-2016	33	8	37	29.92	10	NaN	
11	01-12-2016	35	15	53	29.85	10	6.0	
12	1/13/2016	26	4	42	29.94	10	10.0	
13	1/14/2016	30	12	47	29.95	10	5.0	
14	1/15/2016	43	31	62	29.82	9	5.0	
15	1/16/2016	47	37	70	29.52	8	7.0	
16	1/17/2016	36	23	66	29.78	8	6.0	
17	1/18/2016	25	6	53	29.83	9	12.0	
18	1/19/2016	22	3	42	30.03	10	11.0	
19	1/20/2016	32	15	49	30.13	10	6.0	
20	1/21/2016	31	11	45	30.15	10	6.0	
21	1/22/2016	26	6	41	30.21	9	NaN	
22	1/23/2016	26	21	78	29.77	1	16.0	
23	1/24/2016	28	11	53	29.92	8	6.0	
24	1/25/2016	34	18	54	30.25	10	3.0	
25	1/26/2016	43	29	56	30.03	10	7.0	
26	1/27/2016	41	22	45	30.03	10	7.0	
27	1/28/2016	37	20	51	29.90	10	5.0	
28	1/29/2016	36	21	50	29.58	10	8.0	
29	1/30/2016	34	16	46	30.01	10	7.0	

	EST	Temperature	DewPoint	Humidity	Sea Level PressureIn	VisibilityMiles	WindSpeedMPH	Prec
30	1/31/2016	46	28	52	29.90	10	5.0	

```
In [4]: df['Temperature'].max()
```

```
Out[4]: 50
```

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In [5]: df['EST'][df['Events']=='Rain']
```

```
Out[5]: 8    01-09-2016
9    01-10-2016
15    1/16/2016
26    1/27/2016
Name: EST, dtype: object
```

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In [8]: df.fillna(0,inplace=True)
df['WindSpeedMPH'].mean()
```

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Out[8]: 6.225806451612903
```