```
Python 3.6.5 |Anaconda, Inc.| (default, Mar 29 2018, 13:32:41) [MSC v.1900 64 bit (AMD64)]
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IPython 6.4.0 -- An enhanced Interactive Python.

In [1]: runfile('C:/Users/disiz/Documents/acadgild/post-joining/data science/assignments/
untitled0.py', wdir='C:/Users/disiz/Documents/acadgild/post-joining/data science/
assignments')
   X  Y
0  7  1
1  2  2
2  0  0
3  3  1
4  4  2
5  2  3
6  5  4
7  0  0
8  3  1
9  4  2
---------------------------------------------------------------------------------
pandas series
 2015-01-01    1.060822
2015-01-02   -1.370024
2015-01-05   -0.261945
2015-01-06    0.814758
2015-01-07    0.544996
2015-01-08    0.018549
2015-01-09    0.606439
2015-01-12   -0.544827
2015-01-13   -1.096034
2015-01-14   -0.130671
2015-01-15    0.924074
2015-01-16    0.296153
2015-01-19   -0.028079
2015-01-20    1.316080
2015-01-21    0.518272
2015-01-22    0.038559
2015-01-23   -0.594886
2015-01-26    0.287517
2015-01-27   -0.717214
2015-01-28   -0.476652
2015-01-29   -0.028877
2015-01-30    0.252498
2015-02-02   -0.183314
2015-02-03   -0.477539
2015-02-04    0.059135
2015-02-05   -0.667020
2015-02-06   -2.193125
2015-02-09    0.511897
2015-02-10   -0.704969
2015-02-11    0.848508
                ...
2015-11-20    0.289240
2015-11-23    2.832149
2015-11-24    0.477276
2015-11-25    0.963241
2015-11-26    1.765687
2015-11-27    2.652736
2015-11-30    0.085314
```

```
2015-12-01    -1.649734
2015-12-02    -0.256740
2015-12-03     1.123757
2015-12-04     0.035231
2015-12-07     0.501364
2015-12-08    -1.189010
2015-12-09     0.573240
2015-12-10     1.276961
2015-12-11    -1.234450
2015-12-14     0.469039
2015-12-15    -0.475636
2015-12-16    -1.533103
2015-12-17     1.616547
2015-12-18     0.385275
2015-12-21    -0.817017
2015-12-22    -1.366212
2015-12-23    -0.053866
2015-12-24    -0.925866
2015-12-25     0.185051
2015-12-28    -0.135345
2015-12-29     0.506666
2015-12-30     1.239736
2015-12-31    -0.822061
Freq: B, Length: 261, dtype: float64
--------------------------------------------------------------------------------
sum of values for weekdays
 0    -0.754265
1   -10.164138
2     1.959008
3     3.057361
4     0.572176
dtype: float64
sum of values for day-wednesday 1.9590082373792264
--------------------------------------------------------------------------------
average of values for months
 1     0.064978
2    -0.220605
3     0.112042
4    -0.133992
5     0.273143
6    -0.067782
7    -0.113411
8    -0.039950
9     0.011972
10   -0.234079
11    0.227180
12   -0.110703
dtype: float64
--------------------------------------------------------------------------------
maximum of values for months
 1     1.316080
2     2.231840
3     2.047297
4     1.482022
5     3.910726
6     2.422926
7     1.548252
8     1.508989
9     1.274542
```

```
10    2.805183
11    2.832149
12    1.616547
dtype: float64
--------------------------------------------------------------------------------

End of assignemnt
```

In [2]: