In []:	<pre>import pandas as pd import matplotlib as plt import matplotlib.pyplot as plt</pre>
In []: Out[]:	dane
	0 The Python Course: Al/ML in Python 2021-04-02 06:25:52+00:00 4.0 NaN 1 The Python Course: Al/ML in Python 2021-04-02 05:12:34+00:00 4.0 NaN 2 The Python Course: Al/ML in Python 2021-04-02 05:11:03+00:00 4.0 NaN
	3 The Python Course: Al/ML in Python 2021-04-02 03:33:24+00:00 5.0 NaN 4 The Python Course: Al/ML in Python 2021-04-02 03:31:49+00:00 4.5 NaN
	44996 The Python Course: Al/ML in Python 2018-01-01 01:09:56+00:00 5.0 NaN 44997 The Python Course: Al/ML in Python 2018-01-01 01:08:11+00:00 5.0 NaN 44998 The Python Course: From Beginner to Expert 2018-01-01 01:05:26+00:00 5.0 NaN
	44999 The Python Course: Al/ML in Python 2018-01-01 01:01:16+00:00 5.0 NaN 45000 rows × 4 columns 4500
In []:	df_day.columns #zwraca tylko Rating df_day.index #zwraca daty
Out[]:	'2018-01-01 01:08:11+00:00', '2018-01-01 01:09:56+00:00', '2018-01-01 01:11:26+00:00', '2018-01-01 01:19:24+00:00', '2018-01-01 01:22:21+00:00', '2018-01-01 01:27:26+00:00', '2018-01-01 03:03:38+00:00', '2018-01-01 03:21:18+00:00',
	'2021-04-01 20:13:27+00:00', '2021-04-01 21:58:40+00:00', '2021-04-01 23:42:02+00:00', '2021-04-02 00:44:54+00:00', '2021-04-02 01:10:06+00:00', '2021-04-02 03:31:49+00:00', '2021-04-02 01:10:06+00:00', '2021-04-02 03:31:49+00:00', '2021-04-02 03:33:24+00:00', '2021-04-02 05:11:03+00:00', '2021-04-02 05:12:34+00:00', '2021-04-02 06:25:52+00:00'], dtype='object', name='Timestamp', length=44988)
In []: Out[]:	
In []:	dance bay = dance Finescamp date
Out[]:	Course Name Timestamp Rating Comment Day The Python Course: Al/ML in Python 2021-04-02 06:25:52+00:00 4.0 NaN 2021-04-02 The Python Course: Al/ML in Python 2021-04-02 05:12:34+00:00 4.0 NaN 2021-04-02
	The Python Course: Al/ML in Python 2021-04-02 05:11:03+00:00 4.0 NaN 2021-04-02 The Python Course: Al/ML in Python 2021-04-02 05:11:03+00:00 5.0 NaN 2021-04-02 The Python Course: Al/ML in Python 2021-04-02 03:33:24+00:00 5.0 NaN 2021-04-02 The Python Course: Al/ML in Python 2021-04-02 03:31:49+00:00 4.5 NaN 2021-04-02
	44997 The Python Course: AI/ML in Python 2018-01-01 01:08:11+00:00 5.0 NaN 2018-01-01 44998 The Python Course: From Beginner to Expert 2018-01-01 01:05:26+00:00 5.0 NaN 2018-01-01 44999 The Python Course: AI/ML in Python 2018-01-01 01:01:16+00:00 5.0 NaN 2018-01-01
In []:	45000 rows × 5 columns df_day = dane.groupby(['Day']).mean()
In []: Out[]:	u1_uay
	Day 2018-01-01 4.532609 2018-01-02 4.122807
	 2018-01-03 4.360465 2018-01-04 4.531250 2018-01-05 4.423077
	 2021-03-29 4.240000 2021-03-30 4.428571 2021-03-31 4.453125
	2021-04-01 4.592593 2021-04-02 4.357143 1188 rows × 1 columns
In []:	
Out[]:	
In []: Out[]:	<pre>Figure size 1800x576 with 0 Axes></pre>
In []: In []:	<pre>dane['Day'] = dane['Timestamp'].dt.date</pre> df 2 = dane.groupby(['Day']).mean()
In []:	plt.plot(df_2) [SuperplotLife Linear
Out[]:	5.0 - 4.8 -
	4.4 - 4.2 - 4.2 - 4.3
	4.0 - 3.8 - 2018-02018-02018-02019-02019-02019-02020-02020-02020-02021-02021-05
In []:	<pre>dane_week = dane.groupby(['Week']).mean() dane_week dane_week</pre>
Out[]:	 Rating Week 1 4.450845
	 2 4.471976 3 4.422941 4 4.481168
	 5 4.447789 6 4.437227 7 4.470739 8 4.410752
	 9 4.484642 10 4.431544 11 4.492391
	 12 4.459472 13 4.433804 14 4.445652
	 15 4.461895 16 4.490516 17 4.427374 18 4.470655
	 18 4.470655 19 4.407242 20 4.394267 21 4.421959
	 22 4.435123 23 4.420213 24 4.441622
	 25 4.452491 26 4.411452 27 4.411221
	 28 4.442584 29 4.433974 30 4.436280
	 31 4.468215 32 4.430502 33 4.392760 34 4.397576
	 35 4.423767 36 4.416667 37 4.457592
	 38 4.430739 39 4.390561 40 4.491228
	 41 4.434319 42 4.399153 43 4.498236 44 4.71573
	 44 4.471572 45 4.444248 46 4.487562 47 4.432917
	 48 4.438058 49 4.489510 50 4.399861
	 51 4.410741 52 4.460798 53 4.467078
In []: Out[]:	<pre>plt.plot(dane_week) [<matplotlib.lines.line2d 0x7f1995fc1750="" at="">]</matplotlib.lines.line2d></pre>
	4.48
	4.42
-	4.40
In []:	dane Week2 = dane Times camp dc. scritchine //1-//0
In []:	[/math]otlib_lines_Line2D_at_0v7f100E677410\
	50 - 40 - 30
	30 - 20 - 10 -
In []:	
In []:	dane Fioren j = dane Times Camp j.dc. Scritchine (761 - 7611)
In []: Out[]:	[<matplotlib.lines.line2d 0x7f1994d57490="" at="">, <matplotlib.lines.line2d 0x7f1994d5ec50="" at="">]</matplotlib.lines.line2d></matplotlib.lines.line2d>
	50 - 40 - 30 -
	30 - 20 - 10 -
In []:	20 <u>UHRARISH BARISH BARI</u>
In []:	<pre>df_m2 = dane.groupby(['Month', 'Course Name']).mean()</pre>
In []: Out[]:	
	2018-01 Learn GIS in One Hour 4.236842 3.578947 The Python Course: 100 Excercises for Beginners 4.353448 2.741379 The Python Course: Al/ML in Python 4.457368 2.583874
	The Python Course: Interactive Visualizations 4.285714 2.942857
	2021-03 The Python Excercises: Data Processing by use of Python 4.038462 2021-04 The Python Course: 100 Excercises for Beginners 4.50000 13.00000 The Python Course: Al/ML in Python 4.576923 13.00000 The Python Course: Interactive Visualizations 5.00000 13.000000
	The Python Course: OpenCV in Python 4.250000 13.000000 262 rows × 2 columns
In []:	di_ms = dane-groupsy([Fioren ; Course Name]).mean().dnscack()
Out[]:	<pre><matplotlib.lines.line2d 0x7f1994adf900="" at="">, <matplotlib.lines.line2d 0x7f1994adf890="" at="">, <matplotlib.lines.line2d 0x7f1994adf890="" at="">, <matplotlib.lines.line2d 0x7f1994adf890="" at="">,</matplotlib.lines.line2d></matplotlib.lines.line2d></matplotlib.lines.line2d></matplotlib.lines.line2d></pre> <pre><matplotlib.lines.line2d 0x7f1994adf250="" at="">,</matplotlib.lines.line2d></pre>
	<pre><matplotli0.lines.line2d 0x7f1994adf150="" at="">,</matplotli0.lines.line2d></pre>
	4.0
	3.0
In []:	
In []:	plt.plot(df_wd.index, df_wd['Rating'])
Out[]:	[<matplotlib.lines.line2d 0x7f1994451910="" at="">] 4.455 - 4.450 -</matplotlib.lines.line2d>
	4.445 - 4.440 -
	4.430 - Friday-5 Monday-1Saturday-6Sunday-0Thursday-4Tuesday-Wednesday-3