Python 3.6.5 |Anaconda, Inc.| (default, Mar 29 2018, 13:32:41) on Windows (64 bits).

This is the Pyzo interpreter with integrated event loop for PYQT5.

Using IPython 6.4.0 -- An enhanced Interactive Python.

? -> Introduction and overview of IPython's features.

%quickref -> Quick reference.

help -> Python's own help system.

object? -> Details about 'object', use 'object??' for extra details.

In [**1**]: (executing lines 2 to 3 of "HW2- Python Data course-Amir Dariany.py")

Enter your name: Amir Dariany

Hello Amir Dariany

In [**2**]: (executing lines 5 to 8 of "HW2- Python Data course-Amir Dariany.py")

[[0.40562116 0.50601466 0.37308013 0.00766568 0.28612939]

[0.24220188 0.73441036 0.45952964 0.11322596 0.1110922 ]

[0.6895314 0.34390996 0.39869413 0.03926943 0.66318215]]

In [**3**]: (executing lines 10 to 11 of "HW2- Python Data course-Amir Dariany.py")

(3, 5)

In [**4**]: (executing lines 10 to 11 of "HW2- Python Data course-Amir Dariany.py")

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(3, 5)

In [**5**]: (executing lines 13 to 14 of "HW2- Python Data course-Amir Dariany.py")

[[0.40562116 0.50601466 0.37308013 0.00766568]

[0.28612939 0.24220188 0.73441036 0.45952964]

[0.11322596 0.1110922 0.6895314 0.34390996]]

In [**6**]: (executing lines 16 to 17 of "HW2- Python Data course-Amir Dariany.py")

[[0.40562116 0.24220188 0.6895314 ]

[0.50601466 0.73441036 0.34390996]

[0.37308013 0.45952964 0.39869413]

[0.00766568 0.11322596 0.03926943]

[0.28612939 0.1110922 0.66318215]]

In [**7**]: (executing lines 19 to 21 of "HW2- Python Data course-Amir Dariany.py")

[[0.40562116 0.24220188 0.6895314 ]

[0.50601466 0.73441036 0.34390996]

[0.37308013 0.45952964 0.39869413]

[0.00766568 0.11322596 0.03926943]

[0.28612939 0.1110922 0.66318215]]

In [**8**]: print(b[:,0])

[0.40562116 0.50601466 0.37308013 0.00766568 0.28612939]

In [**9**]: print(b[:,0].min())

0.007665676040086167

In [**10**]: print(np.min(a),np.max(a))

0.007665676040086167 0.734410356383074

In [**11**]: (executing lines 24 to 25 of "HW2- Python Data course-Amir Dariany.py")

[0.3814025 0.42111954 0.73090125 0.89063359]

In [**12**]: (executing lines 27 to 31 of "HW2- Python Data course-Amir Dariany.py")

In [**13**]: f\_mu(f,h)

Out[103]:

array([[0.15470492, 0.21309266, 0.27268473, 0.00682731],

[0.10913047, 0.10199594, 0.53678145, 0.40927253],

[0.04318467, 0.04678309, 0.50397937, 0.30629776]])

In [**14**]: (executing lines 33 to 34 of "HW2- Python Data course-Amir Dariany.py")

[[0.15470492 0.21309266 0.27268473 0.00682731]

[0.10913047 0.10199594 0.53678145 0.40927253]

[0.04318467 0.04678309 0.50397937 0.30629776]]

In [**15**]: (executing lines 39 to 41 of "HW2- Python Data course-Amir Dariany.py")

3.0

4.0

5.0

In [**16**]: (executing lines 43 to 44 of "HW2- Python Data course-Amir Dariany.py")

[[0.77352462 1.06546329 1.36342366 0.03413654]

[0.54565233 0.50997971 2.68390725 2.04636266]

[0.21592333 0.23391547 2.51989684 1.53148881]]

In [**17**]: (executing lines 46 to 47 of "HW2- Python Data course-Amir Dariany.py")

[0.77352462 1.06546329 1.36342366 0.03413654 0.54565233 0.50997971

2.68390725 2.04636266 0.21592333 0.23391547 2.51989684 1.53148881]

In [**18**]: print('amir dariany is done with HW2')

amir dariany is done with HW2