

Spyder (Python 3.7)

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C:\Users\asus\Desktop

Editor - C:\Users\asus\Desktop\testingspy1.py

```
55 import numpy as np
56
57 sx1y1 = pow(x1,2) + pow(y1,2)
58 sx2y2 = pow(x2,2) + pow(y2,2)
59 sx3y3 = pow(x3,2) + pow(y3,2)
60
61 Amatrix = np.array([(x1,y1,1),(x2,y2,1),(x3,y3,1)])
62
63 Dmatrix = np.negative([(sx1y1,y1,1),(sx2y2,y2,1),(sx3y3,y3,1)])
64
65 Ematrix = np.array([(sx1y1,x1,1),(sx2y2,x2,1),(sx3y3,x3,1),])
```

Variable explorer

Name	Type	Size	Value
Amatrix	float64	(3, 3)	[[1. 1. 1.] [4. 3. 1.]
D	float64	1	18.000000000000014
Dmatrix	float64	(3, 3)	[[-2. -1. -1.] [-25. -3. -1.]
E	float64	1	-4.000000000000008
Ematrix	float64	(3, 3)	[[2. 1. 1.] [25. 4. 1.]
F	float64	1	-9.999999999999998
Fmatrix	float64	(3, 3)	[[-2. -1. -1.] [-25. -4. -3.]
R	float	1	20.0
a	float	1	1.0
b	float	1	-5.0
c	float	1	6.0

IPython console

Console 1/A

```
The radius is 3.16228
The value for D is 90.99999999999999
The value for E is 38.99999999999999
The value for F is -103.99999999999999

In [11]: runfile('C:/Users/asus/Desktop/testingspy1.py', wdir='C:/Users/asus/Desktop')

Enter x1:1
Enter y1:1
Enter x2:4
Enter y2:3
Enter x3:5
Enter y3:3
The center is ( 5.0 , -1.0 )
The radius is 4.47214
The value for D is 18.000000000000014
The value for E is -4.000000000000008
The value for F is -9.999999999999998

In [12]:
```

Help

Source Console Object

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to

Permissions: RW End-of-lines: CRLF Encoding: ASCII Line: 17 Column: 17 Memory: 85 %