

Spyder (Python 3.7)

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Project explorer Editor - D:\Fia\Machine Problem\Problem_3_Python.py IPython console

```

1 import numpy as np
2
3 def d(pt):
4     data1 = pt[:,0]
5     data2 = pt[:,1]
6
7     s = len(pt)
8
9     if s >= 10:
10        deg = 10
11    elif s < 10:
12        deg = s - 1
13
14    e = np.zeros((deg,1))
15
16    for i in range(1,deg):
17        cf = np.polyfit(data1,data2,i)
18        f = np.polyval(cf,data1)
19        e[i-1,0] = np.linalg.norm(data2-f)
20
21    Error = e.argmax()
22    coeff = np.polyfit(data1,data2>Error+1)
23    print(coeff)
24    i = eval(input("Enter set of points: "))
25
26 d(i)

```

TypeError: data type not understood

In [12]:

In [12]: runfile('D:/Fia/Machine Problem/Problem_3_Python.py',
wdir='D:/Fia/Machine Problem')

Enter set of points: np.array([(4,5,9,20,49),(23,3,7,93,1)])
[-0.10526316 5.42105263]

In [13]: runfile('D:/Fia/Machine Problem/Problem_3_Python.py',
wdir='D:/Fia/Machine Problem')

Enter set of points:

Variable explorer

Name	Type	Size	Value
i	int32	(2, 5)	[[4 5 9 20 49] [23 3 7 93 1]]
pt	str	1	[4 5 9 20 49; 23 3 7 93 1]
x	NoneType	1	NoneType object of builtins module

Variable explorer File explorer

History log

history.py

```

clear
runfile('D:/Fia/Machine Problem/Problem_3_Python.py', wdir='D:/Fia/Machine Problem')

```

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11:26 PM
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