

```
1 C:\Users\dell\anaconda3\envs\  
  DataScience\python.exe C:/Users/dell/  
  AppData/Local/JetBrains/Toolbox/apps/  
  PyCharm-P/ch-0/223.7571.203/plugins/  
  python/helpers/pydev/pydevconsole.py --  
  mode=client --host=127.0.0.1 --port=  
  60916  
2  
3 import sys; print('Python %s on %s' % (  
  sys.version, sys.platform))  
4 sys.path.extend(['D:\\uni\\Metu\\  
  semesters\\Fall_2022\\courses\\CNG_409  
  \\Assignemnts\\A3'])  
5  
6 Python 3.9.13 (main, Aug 25 2022, 23:51  
  :50) [MSC v.1916 64 bit (AMD64)]  
7 Type 'copyright', 'credits' or 'license  
  ' for more information  
8 IPython 8.5.0 -- An enhanced  
  Interactive Python. Type '?' for help.  
9 PyDev console: using IPython 8.5.0  
10  
11 Python 3.9.13 (main, Aug 25 2022, 23:51  
  :50) [MSC v.1916 64 bit (AMD64)] on  
  win32  
12 In [2]: runfile('D:\\uni\\Metu\\  
  semesters\\Fall_2022\\courses\\CNG_409  
  \\Assignemnts\\A3\\Part2\\svm_dataset2.  
  py', wdir='D:\\uni\\Metu\\semesters\\  
  Fall_2022\\courses\\CNG_409\\  
  Assignemnts\\A3\\Part2')
```

```
13 Configuration 1: C: 1, Kernel: poly
14 Mean Accuracy: 88.000%
15 Standard Deviation: 5.963
16 Confidence Interval: [82.156, 93.844]
17
18 Configuration 2: C: 1, Kernel: rbf
19 Mean Accuracy: 92.933%
20 Standard Deviation: 6.981
21 Confidence Interval: [86.092, 99.774]
22
23 Configuration 3: C: 5, Kernel: poly
24 Mean Accuracy: 92.000%
25 Standard Deviation: 5.963
26 Confidence Interval: [86.156, 97.844]
27
28 Configuration 4: C: 5, Kernel: rbf
29 Mean Accuracy: 94.133%
30 Standard Deviation: 6.483
31 Confidence Interval: [87.780, 100.486]
32
33 Best configuration corresponds to index
   4
34 Configuration 4: C: 5, Kernel: rbf
35 Mean Accuracy: 94.133%
36 Standard Deviation: 6.483
37 Confidence Interval: [87.780, 100.486]
38
39
```