Other ways to run python in Windows

The Jupyter notebook is a very nice format in that it allows markdown description, python code and programme output to be combined in a single document. PH2102/4 homework must be submitted as a Jupyter notebook.

However, there are other ways of running python programmes in a Windows machine.

If not already done, install anaconda.

Here are two methods:

- 1. From a command line prompt
- 2. From an Integrated Development Environment (IDE)

Use any text editor, such as Notepad++, to write a Python programme and save it as a .py file in some folder. This is just python code, there are no markdown cells as you might find in a .ipynb notebook.

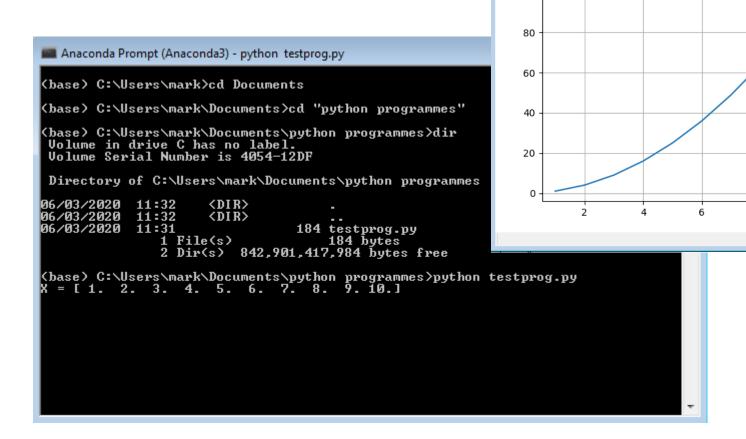
```
*C:\Users\mark\Documents\python programmes\testprog.py - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
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estprog.py
        # A simple python test programme
        import numpy as np
        import matplotlib.pyplot as plt
        X = np.linspace(1,10,10)
        Y = X**2
        print("X =",X)
  10
  11
        plt.plot(X,Y)
  12
       plt.grid()
  13
        plt.show()
  14
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```

(1) Search for and run **Anaconda Prompt.** Use cd to change directory to where you have saved your .py file.

Figure 1

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Type python followed by the .py filename.



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(2) Search for and run **Spyder.** Use the menu options to open the .py file. Run the programme with the green play button.

