

Assignment 2 (50 Points)

Due date: 16th October, 2016

Question 1 (20 Points)

Below are the seven test scores (out of 100) of two students. What can be said about this data? Which student is more consistent? (Show your analysis with and without using **numpy** module)

Test Score	Student 1	Student 2
1	95	90
2	83	60
3	96	75
4	88	82
5	78	80
6	87	65
7	90	88

Question 2 (20 Points)

Following are the average monthly temperature of Baltimore stored in a **text file**. Read the file with python and generate a line graph for the average low and high temperature, individual bar graph for both low and high temperature and side by side bar graph (low, high) for monthly (Jan, Feb,.....Dec) temperature. (Put as much details as possible in your graphs, such as title, legend, proper labeling of x and y axis, etc.)

30.5	48.2
38.4	50.3
48.1	58.7
56.8	61.9
65.2	70.5
75.9	82.4
83.6	88.2
86.5	93.1
75.3	86.7
64.6	77.5
58.1	67.2
45.4	53.6

Question 3 (10 Points)

Calculate the **mean**, **highest** and **lowest** temperature from the above data and store the result in a text file.