ICS3U IO\_Assignment1

1. Generate a text file called “data01.txt” with 20 integer values between 35 and 95 with a single value per line.  Write a program to read this file and calculate the average of the values.

(a)  Copy your text file to a new file name called “data02.txt”.  Modify your file so there is a name (or random characters) for every four marks, starting with the name on the first line.  Now modify your program to determine the average for each person, and output a message with the name and the average.

For example:

Bob

76

86

63

88

Doug

56

54

etc...

(b)  Perform further modifications to add a last name under the first name.  Output each name and average.

(c)  Perform further modifications so that each student is on a single line:

FirstName   LastName   M1   M2   M3    M4

Modify your program so that it reads information for each student from the new file format and then displays each name and average.

(d)  Display the overall average using one of the extensions you completed above.

Save your file as IOAssingment1.java