

Programming Assignment #3

Using the student name from Program Assignment #1, and Score 1 of each student in Program Assignment #1 data file (create new data file), write a program to read the test scores from a function, into an array by incrementing a pointer; **do not use a subscript**. Once read in, you are to use a function to calculate the class average (adding one to the pointer); **again, do not use a subscript**, and returning the calculate value back to the main function. You are to then printout the names, scores (using a subscript), and class average.

You should have fifteen (15) different:

Description	Data Type	Way data is stored	Pointer/Array Name
Student IDs	of CHAR	Entered into an array	student_jd
Test Scores	of INT	Stored into a pointer from input file	scores_jd
Average	of DOUBLE	Calculated by getting the average of test scores	

Note: `_jd` represents the initials of the programmer. Your array and function names should be named by replace the initials `jd` with your first and last initials

Excluding the main function, your program should have three additional functions that will get the scores, calculate the averages and display your output.

Functions			
	Read Input File	Calculate Average	Output Results
Name of function	<code>get_jd</code>	<code>calc_jd</code>	<code>prt_jd</code>
Properties of function	Called from main	Called from main	Called from main
Definition of Function	Should pass scores as a pointer and input data by adding 1 to pointer	Should pass scores as a pointer and calculate a class average by adding one to pointer to retrieve array contents and returns average to main function	Should print student name, scores and average and print data, passing scores as a pointer and displaying scores using a subscript

Data file should be named `data3_jd.txt`

Sample Output

```

Name                Score
David               93
Louis               22
Sylvest            83
Jaden               98
Iverson            87
Ashley             98
Doretha            100
Amber              83
Nicole             83
DavidJR            98
Melia              88
KJ                 49
Wade               48
Jeffery            87
Kevin              78
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Class Average      79.67
    
```