

Name: _____

1. Write a function named **"hasOnlyABC"** that accepts a string as a parameter. It returns true if the string contains only 'A', 'B', 'C' characters. It returns false otherwise.

For example, these strings of "A", "ABC", "AAA", or "ABA" will return true and "D", "ABD", "ADA", or "AAD" will return false.

2. Write a function named **"getAnswer"** that reads in a response (char) from the user. If the answer is not 'Y', 'y', 'N', or 'n', it will continue to ask the user for a new response until a valid response is entered. It will return true if the user enters 'Y' or 'y' and false otherwise.

3. Write a method named **"getAverageScore"** that will read in a list of non-negative scores (integer) from the user until the user enters a negative number to end. It will throw away the largest and smallest number in the list and return the average of the rest of the list (total / the number of scores). If the user has entered less than 3 numbers, it will return -1.

For example, if the user enters 100, 10, 0, -1, it will return 10.

If the list is 100, -1, it will return -1 (as it does not have at least 3 numbers)

Or the list of 100, 10, -1 will also return -1 because it has only 2 numbers.

If the list is 100, 80, 90, 0, -1, then the total is 85 as it does not count 100 (the maximum) and 0 (the minimum).

Similarly, if the list is 80, 90, 100, 70, 60, -1, then the average is 80 as 100 and 60 do not count toward the total.

4. Write a function named **"printIndentation"** that accepts a string and an integer for the number of blanks to be printed in front of that string. It will print out that many blanks first before it prints out the given string.

For example, printIndentation("Hello", 5) will print as follows

 Hello

while printIndentation("Hello", 0) will print

Hello

And printIndentation("Hello", 10) will print

 Hello

5. Write a complete C++ program named **"TestDriver.cpp"** that shows how you would test the functions that you implement in question 1-4. Please show various function calls that show different results, conditions and return values.

Note: if you have written main() and test each method separately, you don't need to answer this question.