Programming Exercise 2B

NOTE: All programs that you write must have comments at the top with the program name, your name, and a sentence describing what the program will do.

1. Write a Python program named **Program2B1** to print the table that is shown below. Use the escape sequences (\n, \t, \", etc.) that we discussed to make the pieces of information line up as they are shown here.

   You do not need any variables, equations, or input statements in this program, only print statements. Write a print statement for each line with the name, numbers, and escape codes necessary to make it look like the table below. Your spacing does not have to be exactly like mine, but there must be tabs between the columns.

Name	Lab	Bonus	Total
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"Joe"	43	7	50
"Will"	50	8	58
"Mary"	39	10	49

2. A homeowner wants to plant a row of trees along the back fence line of his yard and needs to know how many trees he can fit in that row. Write a program named **Program2B2** that will:
   a. Ask the user to enter the following values
      i. the length of the fence line
      ii. the radius of a fully grown tree
      iii. the type of tree
   b. Calculate how many trees can be planted in a line along the fence. (Use the quotient operator // because the result should be an integer.)
   c. Print the results in the following format:
      The number of *treeType* trees is *numberOfTrees*

   (Example: If fence length = 100 feet, radius = 4 feet, & tree type is Lacy Bark Elm, then the output would be: **The number of Lacy Barck Elm trees is 12**)

   NOTE: I will be testing your program with different data so don't write these numbers or tree name into your Python code, use variables and ask the user for their values.

3. **Program2B3:** Ask the user to enter 5 different test grades. (Make a separate variable for each test grade.) Then calculate the average of the grades and print that average with a label.
   (Printing with a label means you need to print a string in front of the value like "**The average is"** to tell the user what the number means when it is printed.)

   Test your program with a set of test grades that you come up with and make sure that the average it prints is correct.