**Lab 1:**

**Grade: 2%**

**Submission instructions**

**Java Files:** Submit all Java files for the assignment.

**Comments**: Each program must have appropriate comments explaining the logic, functions, and key sections of the code. Include comments at the beginning of each file describing the program's purpose.

**Screenshots**: Provide screenshots of your program's execution. The screenshots must capture the console output and reflect the exact inputs and outputs as shown in the sample provided in the assignment instructions. Ensure that each screenshot is labeled clearly (e.g., "Program1\_Input\_Output.png") and corresponds to the program's test case.

**Submission Platform:** Upload all the documents (Java files and screenshots) to D2L. Ensure that they are uploaded as separate files; do not combine them into a single document or archive unless explicitly asked to.

Review your code for correctness, readability, and inclusion of comments before submitting.

**Problem**: The purpose of this lab is to demonstrate the use of variables, basic types and printing special characters to the system console.

Create a new Java program named Lab1.java to satisfy the following requirements:

1. Declare a String variable with your full name.
2. Declare one of each Java base type and assign them appropriate values (not zero):
   1. byte
   2. short
   3. int
   4. long
   5. float
   6. double
3. Decide on a quote you would like to display (you don’t need to store it in a variable).
4. Print the following:
   1. your lab title (using your name variable declared in 1 plus apostrophe s Lab),
   2. the variables declared in 2 and their respective values,
   3. your quote, formatted with newlines, tabs, or special characters (\n, \t, \’, etc) as necessary. The quotation needed to be in quotes.

Submit your code as Lab1.java and a screenshot of your output to <https://tcu.brightspace.com>. Do not create a zip file. Upload your code and image file separately to Brightspace.

You will be graded based on correctness as well as style. Please use the variable and class naming conventions discussed in class, or points will be deducted for style.

Sample output running Lab1:

A white background with blue text

Description automatically generated