Practical Session 1
Date: 01/07/2025
Topic: Variables and Simple Data Types

Solve the following problems using Google Colab. Please write the following for each of the programming assignments.

1. The problem statement
2. The entire program
3. The sample input
4. The sample output

Please get the program report signed by the instructor.

1. Assign a message to a variable and then print the message. Then change the value of the variable to a new message, and print the new message.
2. Use a variable to represent a person's name, and print a message to that person. Your message should be simple, such as, "Hello Eric, would you like to learn some Python today?"
3. Use a variable to represent a person's name and then print that person's name in lowercase, uppercase, and title case.
4. Find a quote from a famous person you admire. Print the quote and the name of its author. Your output should look something like the following, including the quotation marks:

   Albert Einstein once said, "A person who never made a
   mistake never tried anything new."

5. Repeat Q. No. 4, but this time, represent the famous person's name using a variable called `famous_person`. Then compose your message and represent it with a new variable called message. Print your message.
6. Use a variable to represent a person's name, and include some whitespace characters at the beginning and end of the name. Make sure you use each character combination, "\t" and "\n", at least once.

Print the name once, so the whitespace around the name is displayed. Then print the name using each of the three stripping functions, lstrip(), rstrip(), and strip().

7. Use a variable to represent your favorite number. Then, using that variable, create a message that reveals your favorite number. Print that message.

8. Add your name and the current date at the top of each program file as a comment. Then write one sentence describing what the program does.