Practical Session 5
Date: 06/08/2025

Solve the following problems using Jupyter Notebook. 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.

Functions

1. Write a function called **favorite_book()** that accepts one parameter, title. The function should print a message, such as *One of my favorite books is Alice in Wonderland.* Call the function, making sure to include a book title as an argument in the function call.
2. Write a function called **make_shirt()** that accepts a size and the text of a message that should be printed on the shirt. The function should print a sentence summarizing the size of the shirt and the message printed on it.

   Call the function once using positional arguments to make a shirt. Call the function a second time using keyword arguments.

3. Write a function called **describe_city()** that accepts the name of a city and its country. The function should print a simple sentence, such as *Reykjavik is in Iceland*. Give the parameter for the country a default value. Call your function for three different cities, at least one of which is not in the default country.
4. Write a function that accepts a list of items a person wants on a sandwich. The function should have one parameter that collects as many items as the function call provides, and it should print a summary of the sandwich that is being ordered. Call the function three times, using a different number of arguments each time.
5. Write a function that stores information about a car in a dictionary. the function should always receive a manufacturer and a model name. It should then accept an arbitrary number of keyword arguments. Call the function with the required

information and two other name-value pairs, such as a color or an optional feature. Your function should work for a call like this one:

car = make_car('subaru', 'outback', color = 'blue', tow_package = True)

Print the dictionary that's returned to make sure all the information was stored correctly.