Problem 1

Problem Statement:

Write pseudocode to create a program that calculates the total marks for a student based on marks in three subjects: Math, Science, and English. The program should take input for the marks in each subject, calculate the total, and then print the total marks.

Instructions:

1. Define the problem clearly.
2. Identify the key processes involved in solving the problem.
3. Write pseudocode based on the identified processes.

Problem 1: Calculate Total Marks

1. Define the Problem:

You need to write a program that takes the **marks for three subjects** — Math, Science, and English — as input, **calculates the total marks**, and **prints the result**.

2. Identify Key Processes:

- Input: Get marks for Math, Science, and English.
- Processing: Add the three marks to compute the total.
- Output: Display the total marks.

3. Pseudocode:

```
Start
    Get Math marks
    Get Science marks
    Get English marks
    Set total to Math marks + Science marks + English marks
    Print total
End
```

Problem 2

Problem Statement:

Write pseudocode to create a program that takes a user's name as input and greets them with a message that says "Hello, [name]!".

Instructions:

1. Define the problem clearly.
2. Identify the key processes involved in solving the problem.
3. Write pseudocode based on the identified processes.

Problem 2: Greet the User by Name

1. Define the Problem:

Write a program that asks for the user's name and prints a greeting message in the format: **"Hello, [name]!"**

2. Identify Key Processes:

- Input: Get the user's name.
- Processing: Construct the greeting message.
- Output: Display the greeting message.

3. Pseudocode:

```
Start
    Get user's name
    Set greeting to "Hello, " + user's name + "!"
    Print greeting
End
```