Definition of the Program:

This Program takes input from the user for two integers and calculates their sum. It prints the result. the task is repeated multiple times, emphasizing the Principle of DRY (Don't Repeat Yourself), which encourages the uses of functions to avoid code repetition.

Algorithm :-

1. Start.

2. Create a Scanner object for input.

3. Declare three integer variables: n_1, n_2 and Sum.

4. Repeat the following steps 10 times.

   Prompt the user to enter the first num.

   Read the input and store it in n_1.

   Prompt the user to enter the second num.

   Read the input and store it in n_2.

   Print the Sum of n_1 and n_2.

5. End.

Key Points:

DRY Principle :- the CalculateAndPrintSum function is used to avoid repeating the same code for input and Sum calculation.

Loop: the for loop in the main method ensures that the Sum Calculation is Performed 10 times-