☑ Java Program: Addition of Two Integers (User Input)

```
import java.util.Scanner; // 1. Import the Scanner class
public class AdditionExample { // 2. Define the class
  public static void main(String[] args) { // 3. Main method starts here
     Scanner sc = new Scanner(System.in); // 4. Create Scanner object to read input
     System.out.print("Enter first number: "); // 5. Prompt user for first number
     int num1 = sc.nextInt(); // 6. Read first integer from user
     System.out.print("Enter second number: "); // 7. Prompt user for second number
     int num2 = sc.nextInt(); // 8. Read second integer from user
     int sum = num1 + num2; // 9. Perform addition and store in 'sum'
     System.out.println("The sum is: " + sum); // 10. Display the result
  }
}
```

Explanation of Each Statement:

Line	Statement	Explanation
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1	import java.util.Scanner;	Imports the Scanner class from Java's utility package to read input
		from the keyboard.
2	public class AdditionExample {	Declares a public class named AdditionExample.
3	<pre>public static void main(String[] args) {</pre>	The main method from where the program starts execution.
4	Scanner sc = new	Creates a Scanner object named sc to take input from the user via
	Scanner(System.in);	the keyboard (System.in).
5	System.out.print("Enter first number: ");	Displays a message asking the user to enter the first number.
6	int num1 = sc.nextInt();	Reads an integer from the user and stores it in variable num1.
7	System.out.print("Enter second number: ");	Displays a message asking for the second number.
8	int num2 = sc.nextInt();	Reads another integer and stores it in num2.
9	int sum = num1 + num2;	Adds num1 and num2 and stores the result in sum.
10	System.out.println("The sum is: " + sum);	Displays the result of the addition to the user.

§ Sample Output:

Enter first number: 10

Enter second number: 20

The sum is: 30