Activity 2: Create a Calculator

Objective
Develop a basic calculator that displays your name at the top and performs basic arithmetic operations.

Implementation Steps

1. **Create a new C# Console Application.**
2. **Display your name** and the program title at the top using `Console.WriteLine`.
3. Prompt the user to **enter two numbers** (e.g., `num1` and `num2`).
4. Prompt the user to **choose an operator** (`+`, `-`, `*`, `/`).
5. Use **if-else** or a **switch** statement to perform the selected operation.
6. Handle **division by zero** with a special message.
7. Display the **result** of the calculation.

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Program Output Example 1 (Valid Input)

Basic Calculator Program by [Your Name]

Enter the first number: 10
Enter the second number: 5
Enter an operator (+, -, *, /): +

The result of 10 + 5 is: 15

Thank you for using the calculator!

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Program Output Example 2 (Division by Zero)

Basic Calculator Program by [Your Name]

Enter the first number: 10
Enter the second number: 0
Enter an operator (+, -, *, /): /

Error: Division by zero is not allowed.

Thank you for using the calculator!

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Program Output Example 3 (Invalid Operator)

Basic Calculator Program by [Your Name]

Enter the first number: 10
Enter the second number: 5
Enter an operator (+, -, *, /): ^

Error: Invalid operator.

Thank you for using the calculator!
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