```
import java.util.Scanner;
public class Calculator {
  private double num1, num2;
  // Methods for operations
  private double add(double a, double b) {
     return a + b;
  }
  private double subtract(double a, double b) {
     return a - b;
  }
  private double multiply(double a, double b) {
     return a * b;
  }
  private double divide(double a, double b) {
     if (b == 0) {
       System.out.println("Error: Division by zero is not allowed.");
       return 0;
     return a / b;
  }
  // Perform calculation
  public void calculate() {
     Scanner sc = new Scanner(System.in);
     try {
       System.out.print("Enter first number: ");
       num1 = sc.nextDouble();
       System.out.print("Enter second number: ");
       num2 = sc.nextDouble();
       System.out.print("Enter operator (+, -, *, /): ");
       char op = sc.next().charAt(0);
       double result = 0;
       switch (op) {
          case '+':
            result = add(num1, num2);
```

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break:
       case '-':
          result = subtract(num1, num2);
          break;
       case '*':
          result = multiply(num1, num2);
          break;
       case '/':
          result = divide(num1, num2);
          break;
       default:
          System.out.println("Invalid operator! Please use +, -, * or /.");
          return;
     }
     System.out.println("Result: " + result);
  } catch (Exception e) {
     System.out.println("Invalid input! Please enter numeric values.");
}
// Main Method
public static void main(String[] args) {
  Scanner sc = new Scanner(System.in);
  boolean cont = true;
  while (cont) {
     Calculator calc = new Calculator();
     calc.calculate();
     System.out.print("Do you want to perform another calculation? (yes/no): ");
     String ans = sc.next().toLowerCase();
     if (ans.equals("yes")) {
       cont = true;
     } else {
       cont = false;
       System.out.println("Goodbye!");
     }
  }
  sc.close();
}
```

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}
Output: -
Enter first number: 10
Enter second number: 5
Enter operator (+, -, *, /): +
Result: 15.0
Do you want to perform another calculation? (yes/no): yes
Enter first number: 20
Enter second number: 4
Enter operator (+, -, *, /): /
Result: 5.0
Do you want to perform another calculation? (yes/no): yes
Enter first number: 15
Enter second number: 0
Enter operator (+, -, *, /): /
Error: Division by zero is not allowed.
Result: 0.0
Do you want to perform another calculation? (yes/no): no
Goodbye!
```