Assignment 2: Calculator Application with Scanner Class

Explanation:

- ★ The program now starts with a welcoming message.
- ★ Designed a clean interface that prompts users to enter the first number, the desired operator (+, -, *, or /), and the second number.
- ★ Error handling in the division operation, the program now checks for division by zero. If the user attempts to divide by zero, the program displays a clear error message.
- ★ The calculated result is displayed in a clear format.
- ★ The program ends with a thank you message.

Output:

```
Welcome to the Calculator App!

Enter first number: 10
Enter an operator (+, -, *, /): +
Enter second number: 10
Result: 10.0 + 10.0 = 20.0

Thank you for using the Calculator App!
```

Assignment 2: Calculator Application with Command line Arguments:

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星 CalculatorWithCommandLine.java U 🗙
indium_javabootcamp-batch1 > assignments > core-java-assignment2 > 🂆 CalculatorWithCommandLine.java > ...
       public class CalculatorWithCommandLine {
           public static void main(String[] args) {
                if(args.length!=3) {
                    System.out.println("Using java CalculatorWithMethods <value1> <value2> <operation>");
                double value1 =Double.parseDouble(args[0]);
double value2 =Double.parseDouble(args[1]);
                String operation = args[2];
                switch(operation) {
case "add":;
                    System.out.println("Result of addition: "+ (value1 +value2));
                    System.out.println("Result of Subration: " + (value1 - value2));
                case "mul":
                    System.out.println("Result of Multiplication: " + (value1 * value2));
                    if(value2 == 0) {
                    System.out.println("Invalid Input");
}else {
                    System.out.println("Result of Division: " + (value1 / value2));
                    System.out.println("Given value is Invalid");
```