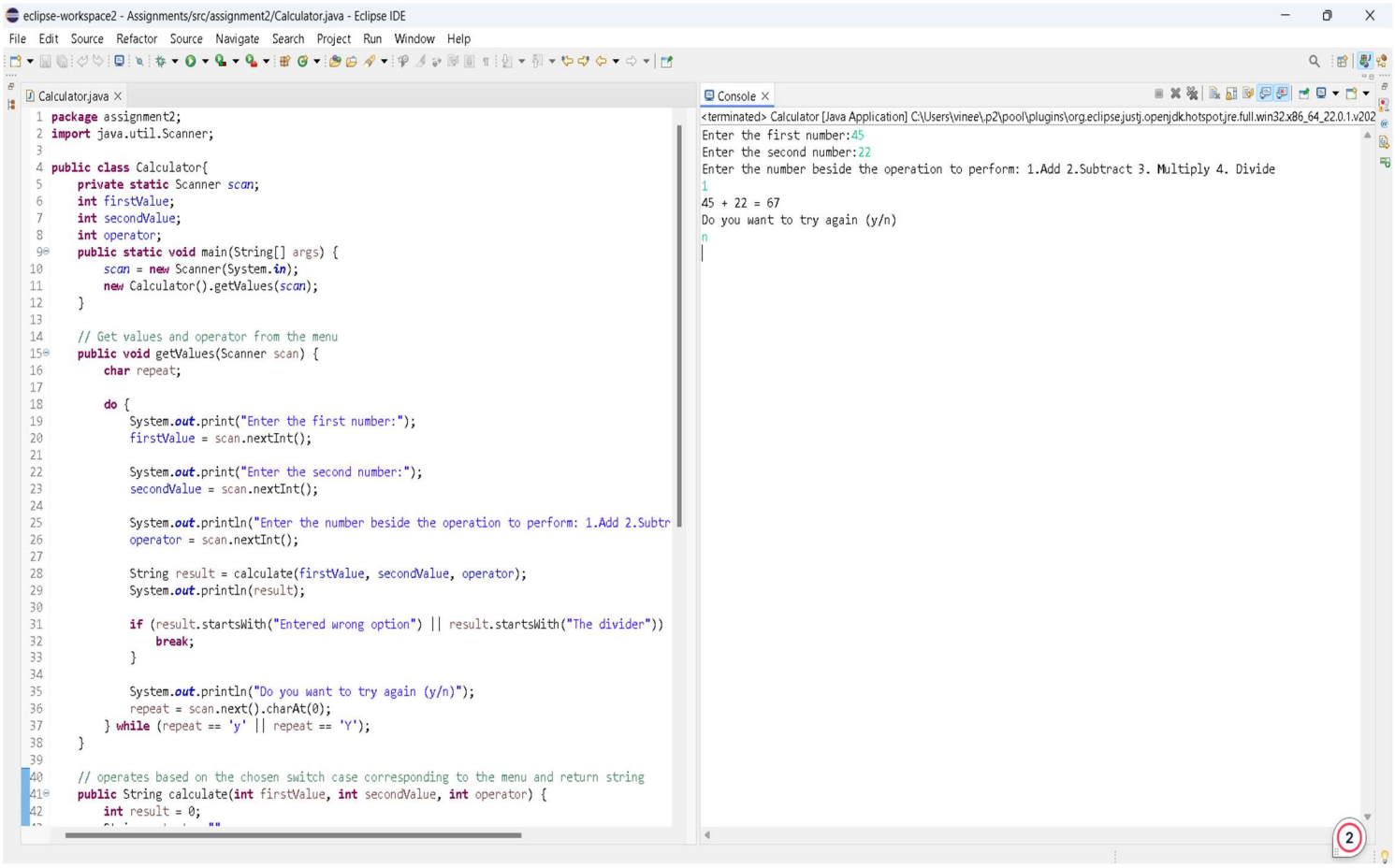
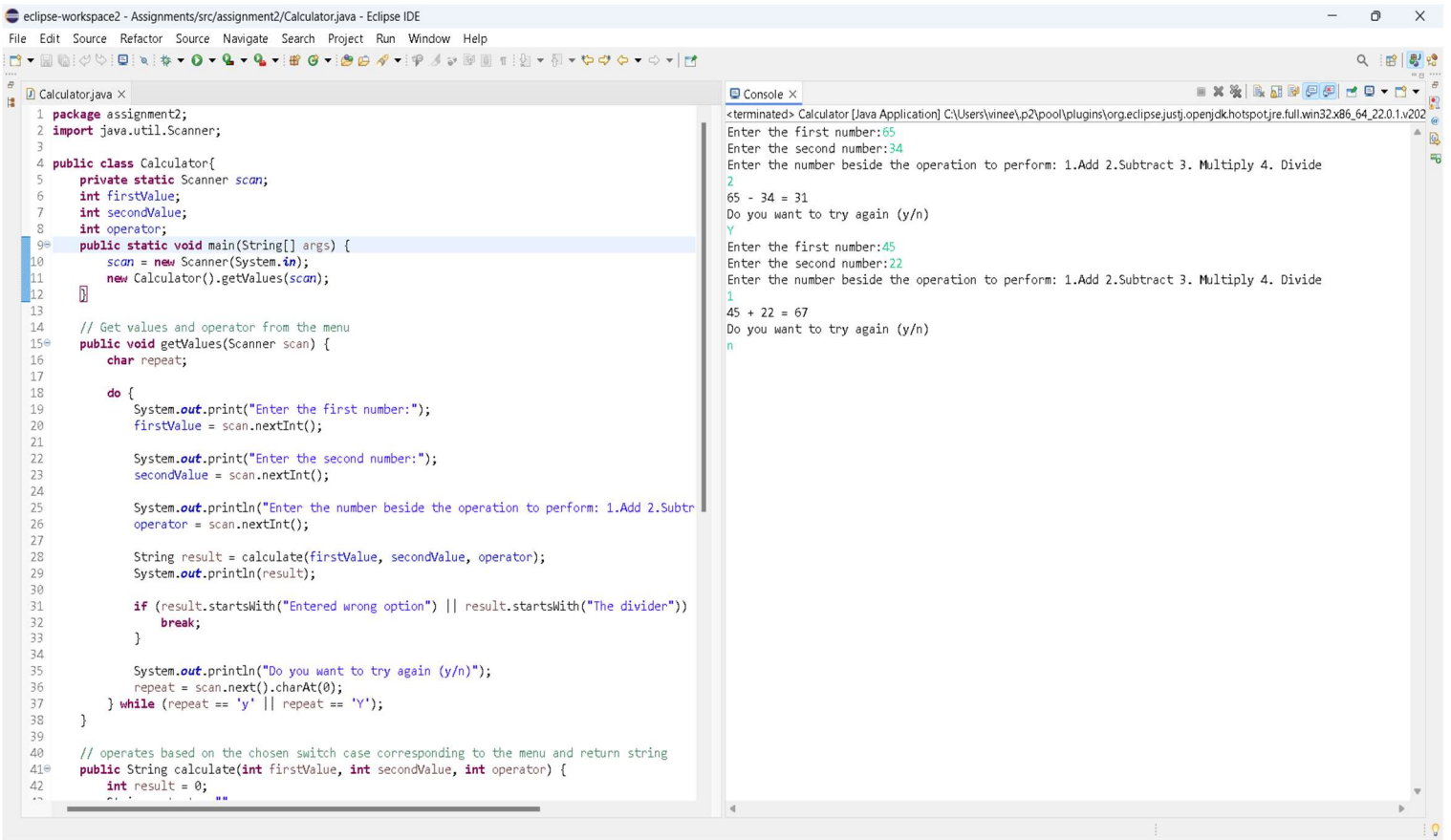
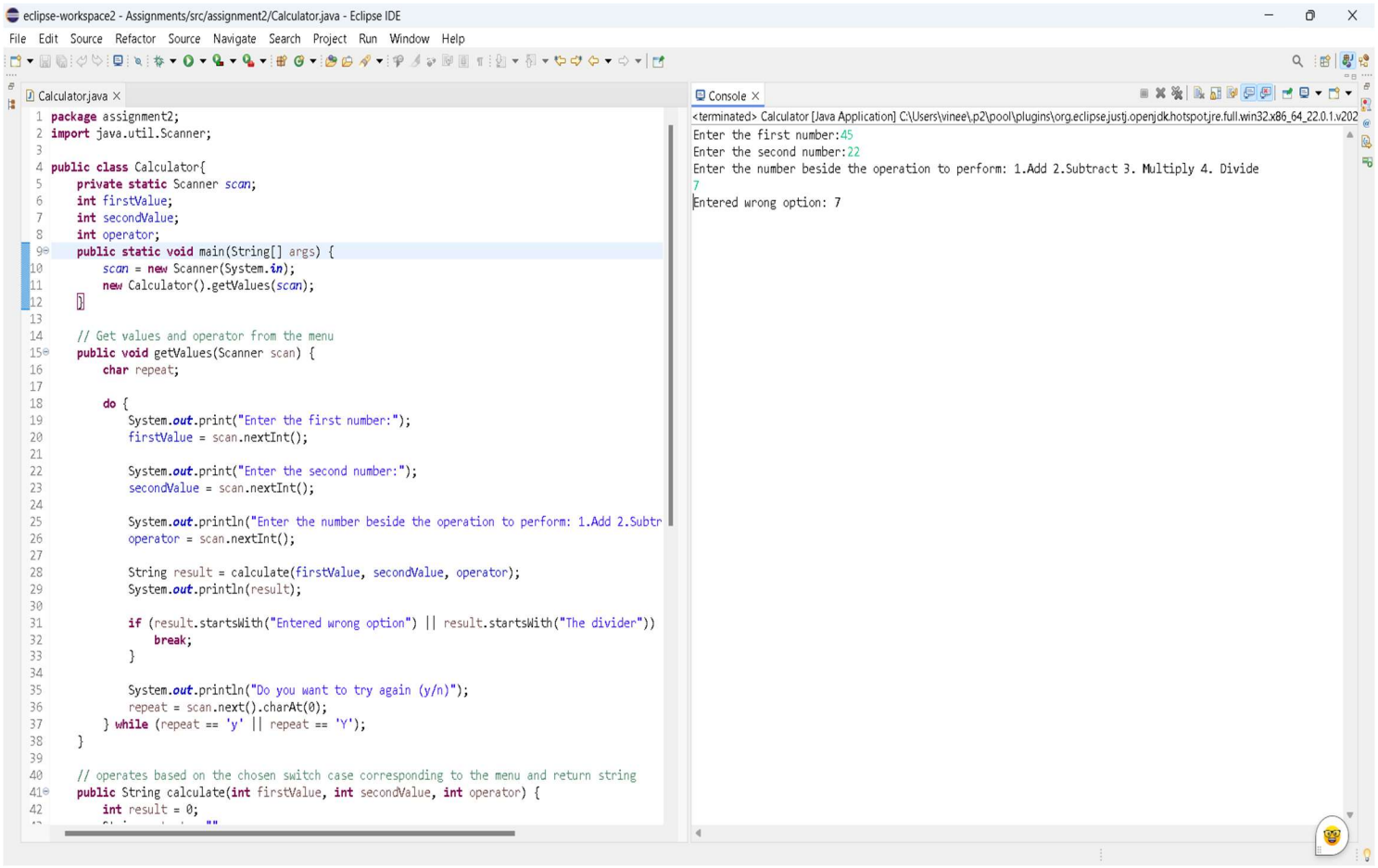
```
package assignment2;
import java.util.Scanner;

public class Calculator{
   private static Scanner scan;
   int firstValue;
   int secondValue;
   int operator;
   public static void main(String[] args) {
      scan = new Scanner(System.in);
      new Calculator().getValues(scan);
   }

   // Get values and operator from the menu
   public void getValues(Scanner scan) {
      char repeat;
      do {
         System.out.print("Enter the first number:");
         firstValue = scan.nextInt();
         System.out.print("Enter the second number:");
         secondValue = scan.nextInt();
         System.out.println("Enter the number beside the operation to perform: 1.Add 2.Subtract 3.
Multiply 4. Divide");
         operator = scan.nextInt();
         String result = calculate(firstValue, secondValue, operator);
         System.out.println(result);
         if (result.startsWith("Entered wrong option") || result.startsWith("The divider")) {
            break;
         }
         System.out.println("Do you want to try again (y/n)");
         repeat = scan.next().charAt(0);
      } while (repeat == 'y' || repeat == 'Y');
   }
```

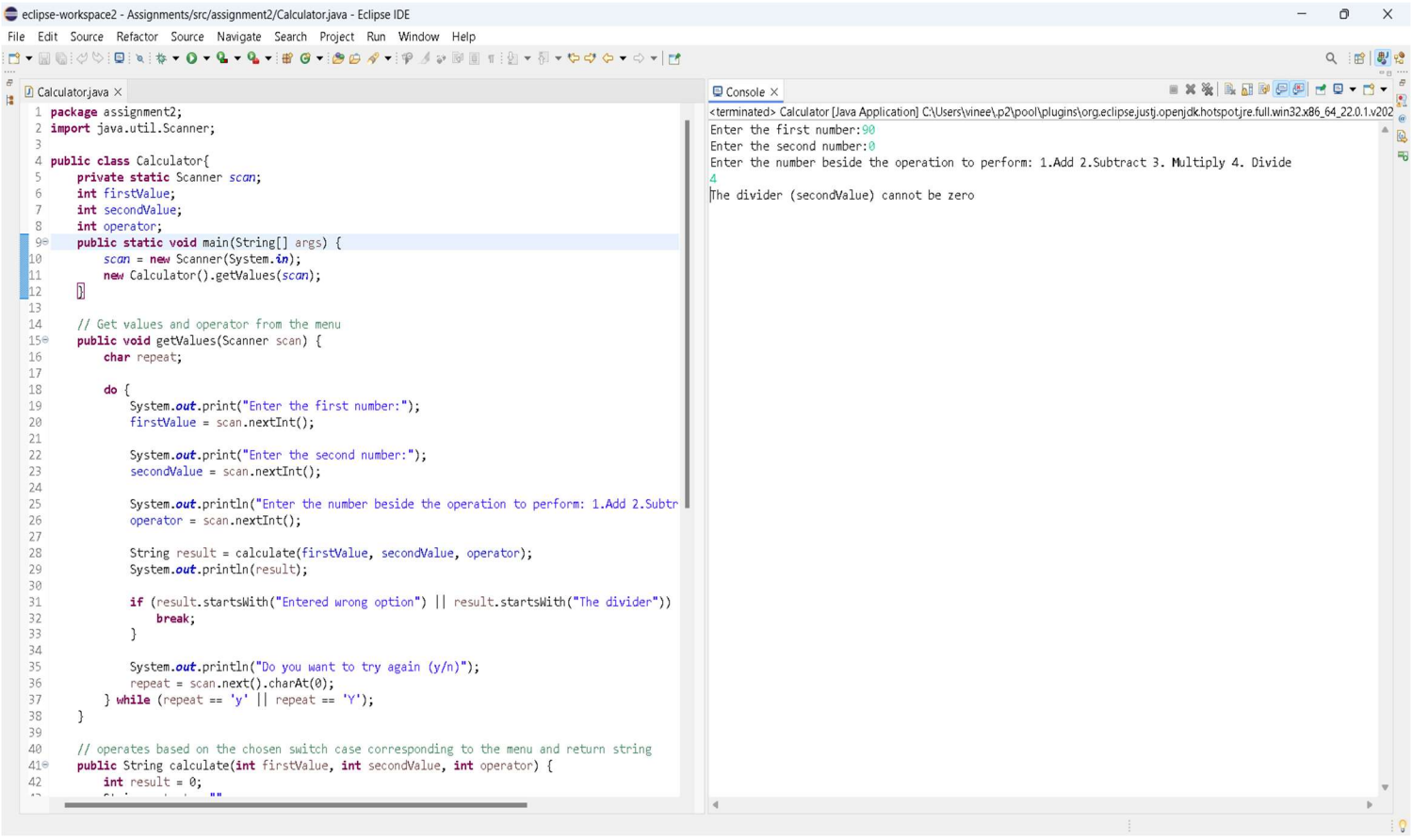
```
    // operates based on the chosen switch case corresponding to the menu and return string
    public String calculate(int firstValue, int secondValue, int operator) {
        int result = 0;
        String output = "";
        switch (operator) {
            case 1:
                result = firstValue + secondValue;
                output = firstValue + " + " + secondValue + " = " + result;
                break;
            case 2:
                result = firstValue - secondValue;
                output = firstValue + " - " + secondValue + " = " + result;
                break;
            case 3:
                result = firstValue * secondValue;
                output = firstValue + " * " + secondValue + " = " + result;
                break;
            case 4:
                if (secondValue != 0) {
                    result = firstValue / secondValue;
                    output = firstValue + " / " + secondValue + " = " + result;
                } else {
                    output = "The divider (secondValue) cannot be zero";
                }
                break;
            default:
                output = "Entered wrong option: " + operator;
                break;
        }
        return output;
    }
}
```


eclipse-workspace2 - Assignments/src/assignment2/Calculator.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Calculator.java
Console
<terminated> Calculator [Java Application] C:\Users\vinee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v202
Enter the first number:45
Enter the second number:22
Enter the number beside the operation to perform: 1.Add 2.Subtract 3. Multiply 4. Divide
1
45 + 22 = 67
Do you want to try again (y/n)
n


eclipse-workspace2 - Assignments/src/assignment2/Calculator.java - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Calculator.java
Console
<terminated> Calculator [Java Application] C:\Users\vinee\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.1.v202
Enter the first number:65
Enter the second number:34
Enter the number beside the operation to perform: 1.Add 2.Subtract 3. Multiply 4. Divide
2
65 - 34 = 31
Do you want to try again (y/n)
Y
Enter the first number:45
Enter the second number:22
Enter the number beside the operation to perform: 1.Add 2.Subtract 3. Multiply 4. Divide
1
45 + 22 = 67
Do you want to try again (y/n)
n




```java
package assignment2;
import java.util.Scanner;

public class Calculator{
    private static Scanner scan;
    int firstValue;
    int secondValue;
    int operator;
    public static void main(String[] args) {
        scan = new Scanner(System.in);
        new Calculator().getValues(scan);
    }

    // Get values and operator from the menu
    public void getValues(Scanner scan) {
        char repeat;

        do {
            System.out.print("Enter the first number:");
            firstValue = scan.nextInt();

            System.out.print("Enter the second number:");
            secondValue = scan.nextInt();

            System.out.println("Enter the number beside the operation to perform: 1.Add 2.Subtr
            operator = scan.nextInt();

            String result = calculate(firstValue, secondValue, operator);
            System.out.println(result);

            if (result.startsWith("Entered wrong option") || result.startsWith("The divider"))
                break;
            }

            System.out.println("Do you want to try again (y/n)");
            repeat = scan.next().charAt(0);
        } while (repeat == 'y' || repeat == 'Y');
    }

    // operates based on the chosen switch case corresponding to the menu and return string
    public String calculate(int firstValue, int secondValue, int operator) {
        int result = 0;
```




```java
package assignment2;
import java.util.Scanner;

public class Calculator{
    private static Scanner scan;
    int firstValue;
    int secondValue;
    int operator;
    public static void main(String[] args) {
        scan = new Scanner(System.in);
        new Calculator().getValues(scan);
    }

    // Get values and operator from the menu
    public void getValues(Scanner scan) {
        char repeat;

        do {
            System.out.print("Enter the first number:");
            firstValue = scan.nextInt();

            System.out.print("Enter the second number:");
            secondValue = scan.nextInt();

            System.out.println("Enter the number beside the operation to perform: 1.Add 2.Subtr
            operator = scan.nextInt();

            String result = calculate(firstValue, secondValue, operator);
            System.out.println(result);

            if (result.startsWith("Entered wrong option") || result.startsWith("The divider"))
                break;
            }

            System.out.println("Do you want to try again (y/n)");
            repeat = scan.next().charAt(0);
        } while (repeat == 'y' || repeat == 'Y');
    }

    // operates based on the chosen switch case corresponding to the menu and return string
    public String calculate(int firstValue, int secondValue, int operator) {
        int result = 0;
```