



Main.java

Output



```
1 import java.util.Scanner;
2
3 public class BasicCalculator {
4
5     public static void main
        (String[] args) {
6         Scanner scanner = new
            Scanner(System.in);
7
8         // Prompt user to enter two
            numbers
9         System.out.print("Enter the
            first number: ");
10        double num1 = scanner
            .nextDouble();
11
12        System.out.print("Enter the
            second number: ");
13        double num2 = scanner
            .nextDouble();
14
15        // Prompt user to choose an
            operation
16        System.out.println("Choose
            the operation you want
            to perform:");
17        System.out.println("
            Addition (+)");
```

Run



Main.java

Output



```
14
15      // Prompt user to choose an
           operation
16      System.out.println("Choose
           the operation you want
           to perform:");
17      System.out.println("1.
           Addition (+)");
18      System.out.println("2.
           Subtraction (-)");
19      System.out.println("3.
           Multiplication (*)");
20      System.out.println("4.
           Division (/)");
21
22      System.out.print("Enter
           your choice (1, 2, 3,
           or 4): ");
23      int choice = scanner
           .nextInt();
24
25      double result = 0;
26
27      // Perform the selected
           operation
28      switch (choice) {
29          case 1:
30              result = num1 +
```

Run



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```
40         break;
41         case 4:
42             if (num2 != 0) {
43                 result = num1 /
44                     num2;
45                 System.out
46                     .println("Result:
47                             " + num1 + " / " +
48                             num2 + " = " +
49                             result);
50             } else {
51                 System.out
52                     .println("Error:
53                             Division by zero
54                             is not allowed");
55             }
56         break;
57         default:
58             System.out.println
59                 ("Invalid choice.
60                 Please choose a
61                 number between 1
62                 and 4.");
63     }
64     scanner.close();
65 }
```

Run



Online Java Compiler

Programiz PRO

Main.java

Output



```
java -cp /tmp/WgNAQtY4ky/BasicCalculator  
Enter the first number: |
```



Main.java

Output



```
java -cp /tmp/WgNAQtY4ky/BasicCalculator
Enter the first number: 5
Enter the second number: 7
Choose the operation you want to perform:
1. Addition (+)
2. Subtraction (-)
3. Multiplication (*)
4. Division (/)
Enter your choice (1, 2, 3, or 4): 3
Result: 5.0 * 7.0 = 35.0

=== Code Execution Successful ===
```