```java
1  //43. Create a program to create a simple calculator
   that uses a switch statement to perform basic
   arithmetic
2  //operations like addition, subtraction,
   multiplication, and division.
3  import java.util.Scanner;
4
5  public class SimpleCalculator {
6      public static void main(String[] args) {
7          Scanner sc = new Scanner(System.in);
8          System.out.print("Enter first number: ");
9          double a = sc.nextDouble();
10
11         System.out.print("Enter operator
   (+, -, *, /): ");
12         char op = sc.next().charAt(0);
13
14         System.out.print("Enter second number: ");
15         double b = sc.nextDouble();
16
17         switch (op) {
18             case '+': System.out.println("Result: "
   + (a + b)); break;
19             case '-': System.out.println("Result: "
   + (a - b)); break;
20             case '*': System.out.println("Result: "
   + (a * b)); break;
21             case '/':
22                 if (b != 0)
23                     System.out.println("Result: " + (
   a / b));
24                 else
25                     System.out.println("Cannot divide
   by zero.");
26                 break;
27             default: System.out.println("Invalid
   operator.");
28         }
29     }
30 }
31
```