

Beginners Book: Java Basics

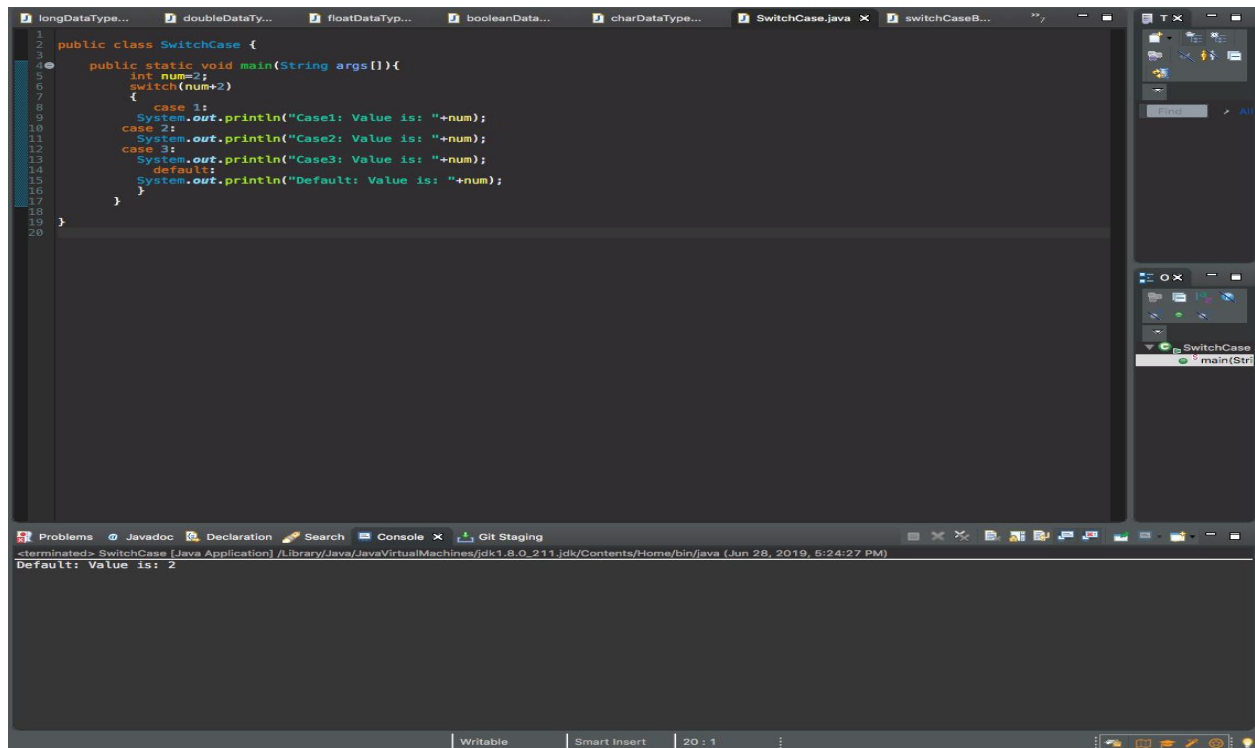
Lesson 8: Switch Case Statement In Java

Switch Case Statement:

A switch case statement is used when we have a number of options (or choices) and we may need to perform a different task for each choice.

A switch case statement is mostly used with break statement but it is optional.

Example:



The screenshot shows an IDE with a Java file named `SwitchCase.java`. The code defines a `SwitchCase` class with a `main` method. Inside `main`, an integer `num` is initialized to 2, and a `switch` statement is used to print different messages based on the value of `num`. The `switch` statement has three cases: `case 1:`, `case 2:`, and `case 3:`, each followed by a `System.out.println` statement. A `default:` case is also present, which prints "Default: Value is: " followed by `num`. The output of the program is displayed in the console at the bottom, showing "Default: Value is: 2".

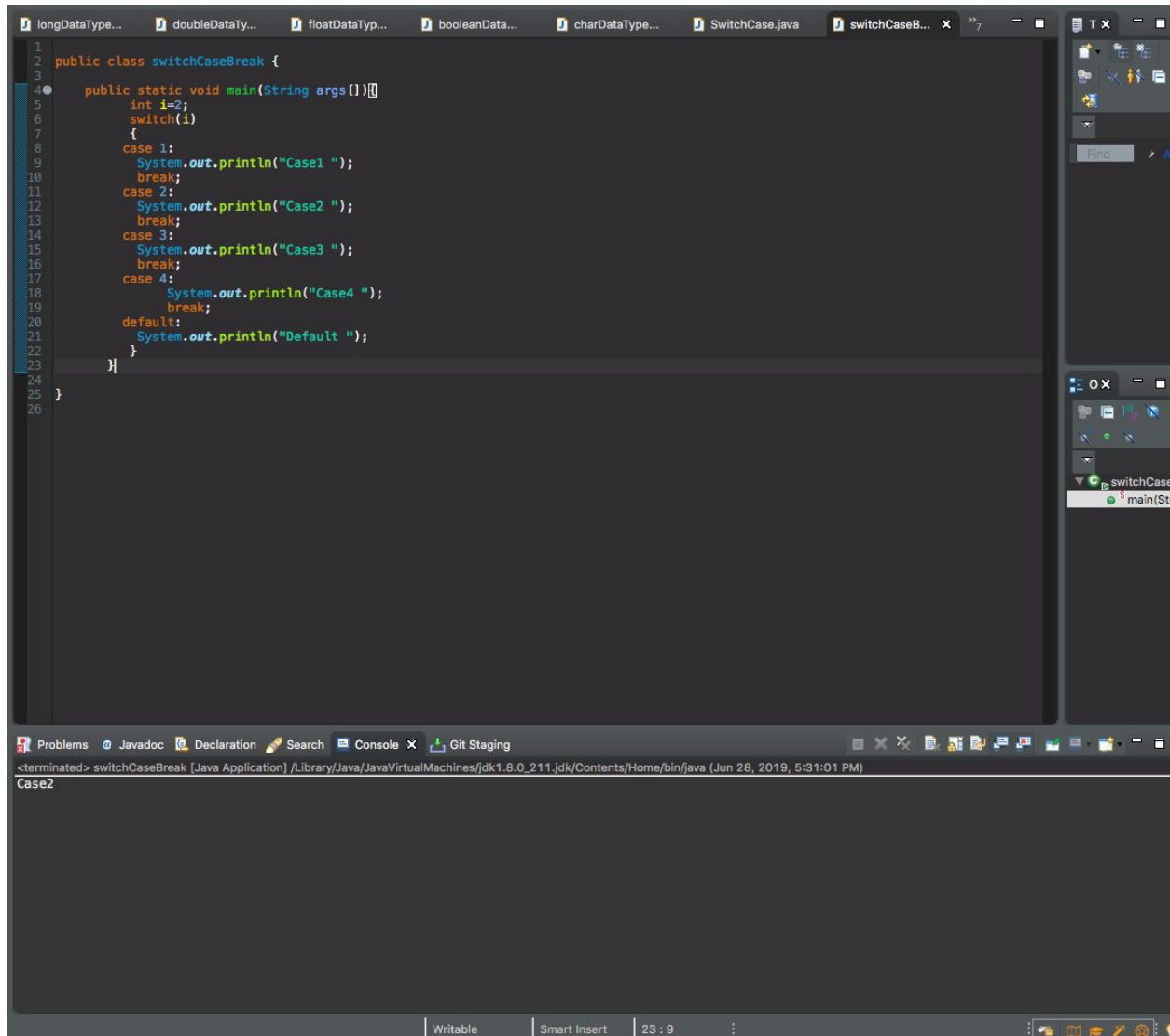
```
1 public class SwitchCase {
2
3     public static void main(String args[]){
4         int num=2;
5         switch(num+2)
6         {
7             case 1:
8                 System.out.println("Case1: Value is: "+num);
9             case 2:
10                System.out.println("Case2: Value is: "+num);
11            case 3:
12                System.out.println("Case3: Value is: "+num);
13            default:
14                System.out.println("Default: Value is: "+num);
15        }
16    }
17 }
18
19
20 }
```

SwitchCase [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java (Jun 28, 2019, 6:24:27 PM)
Default: Value is: 2

Break Statement In Switch Case:

Break statement is optional in switch case but you would use it almost every time you deal with switch case. They are used when you want your program-flow to come out of the switch body. Whenever a break statement is encountered in the switch body, the execution flow would come directly out of the switch, ignoring the rest of the cases

Example:



```
1 public class switchCaseBreak {
2
3
4     public static void main(String args[]) {
5         int i=2;
6         switch(i)
7         {
8             case 1:
9                 System.out.println("Case1 ");
10                break;
11             case 2:
12                 System.out.println("Case2 ");
13                break;
14             case 3:
15                 System.out.println("Case3 ");
16                break;
17             case 4:
18                 System.out.println("Case4 ");
19                break;
20             default:
21                 System.out.println("Default ");
22            }
23        }
24    }
25 }
26 }
```

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<terminated> switchCaseBreak [Java Application] /Library/Java/JavaVirtualMachines/jdk1.8.0_211.jdk/Contents/Home/bin/java (Jun 28, 2019, 5:31:01 PM)

Case2

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