

JAVA FUNDAMENTALS COURSE

EXERCISE

CALCULATE SEASON SWITCH EXAMPLE

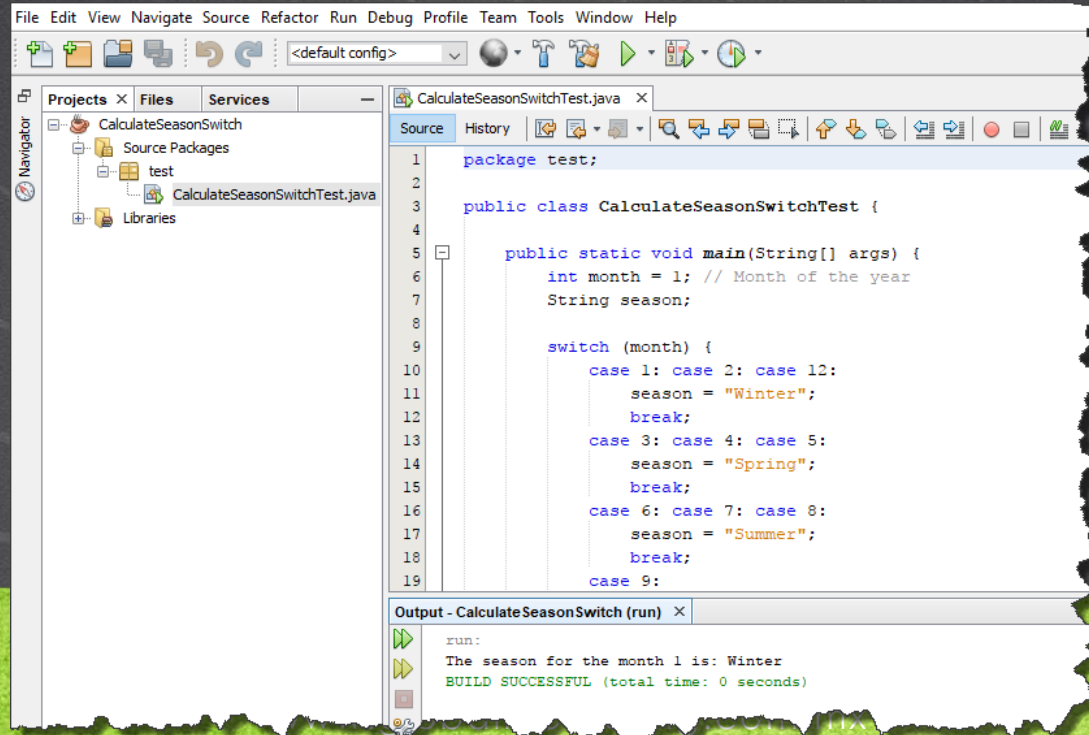


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EXERCISE OBJECTIVE

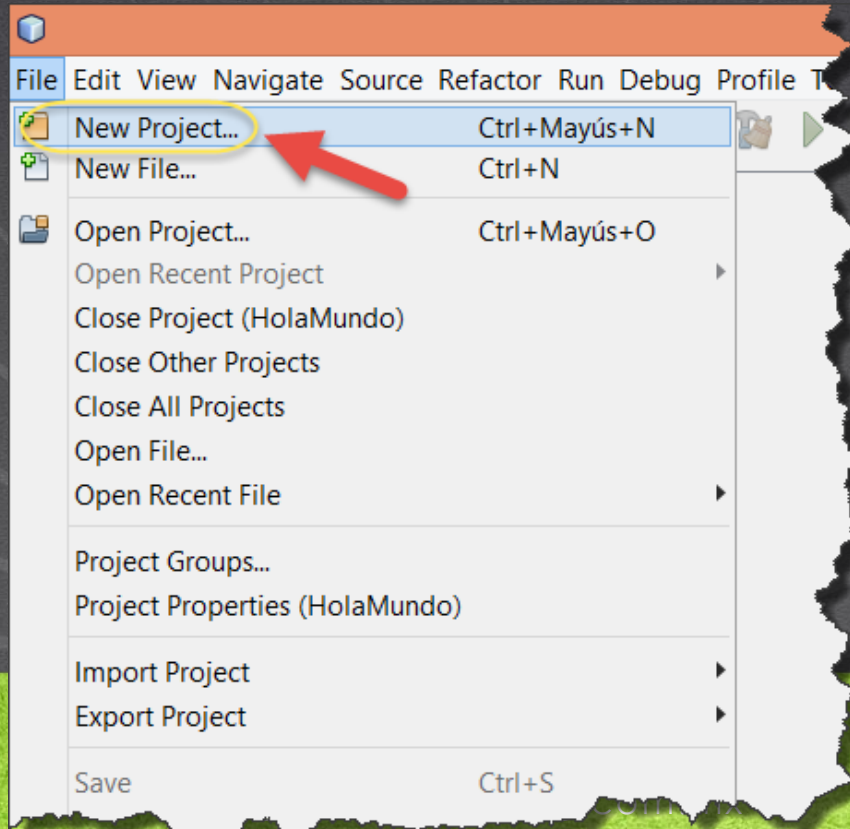
Create an exercise to put into practice the switch statement. At the end we should observe the following:



```
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
<default config>
Projects Files Services
CalculateSeasonSwitch
Source Packages
test
CalculateSeasonSwitchTest.java
Libraries
CalculateSeasonSwitchTest.java
Source History
1 package test;
2
3 public class CalculateSeasonSwitchTest {
4
5     public static void main(String[] args) {
6         int month = 1; // Month of the year
7         String season;
8
9         switch (month) {
10             case 1: case 2: case 12:
11                 season = "Winter";
12                 break;
13             case 3: case 4: case 5:
14                 season = "Spring";
15                 break;
16             case 6: case 7: case 8:
17                 season = "Summer";
18                 break;
19             case 9:
20
21         }
22     }
23 }
Output - CalculateSeasonSwitch (run)
run:
The season for the month 1 is: Winter
BUILD SUCCESSFUL (total time: 0 seconds)
```

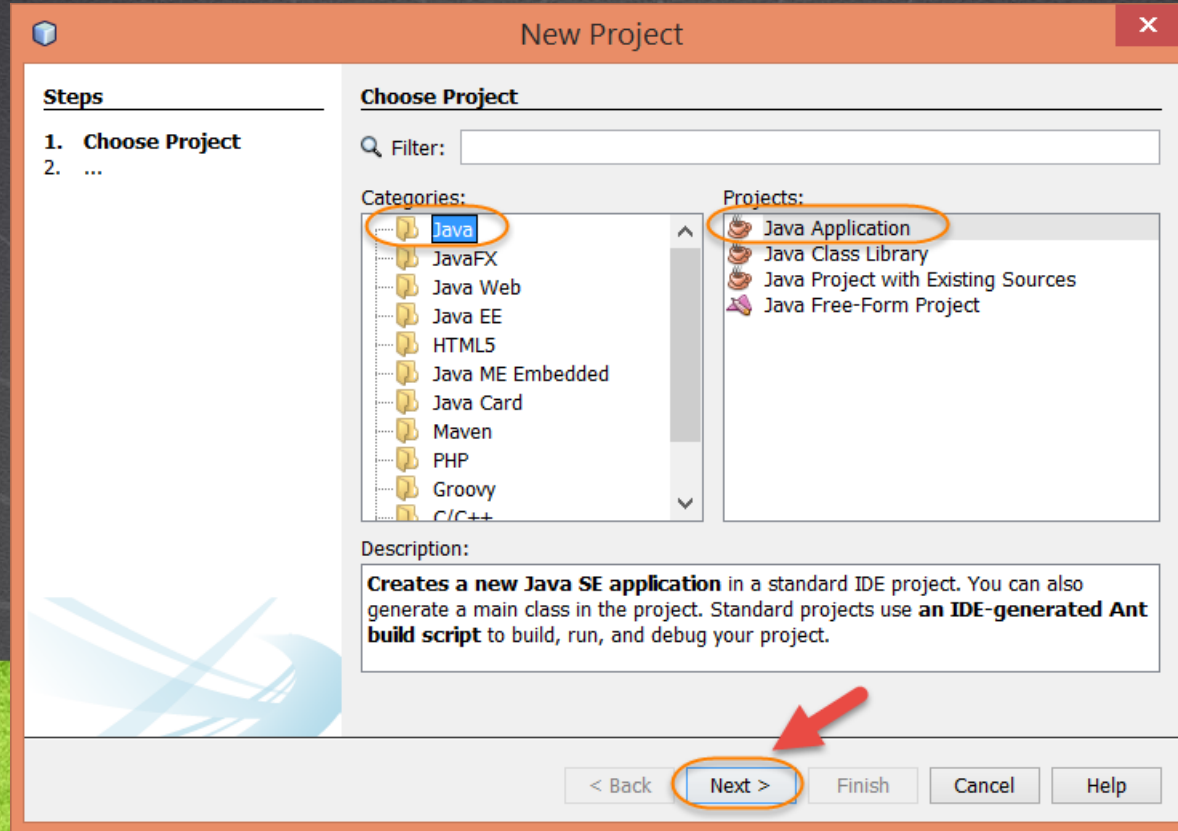

1. CREATE A NEW PROJECT

Create the Project named CalculateMonthSwitch:



1. CREATE A NEW PROJECT (CONT)

Select Java -> Java Application and click on Next:



1. CREATE A NEW PROJECT (CONT)

The Project name is: CalculateSeasonSwitch:

New Java Application

Steps

1. Choose Project
2. **Name and Location**

Name and Location

Project Name: CalculateSeasonSwitch

Project Location: C:\Courses\JavaFundamentals\Lesson04 Browse...

Project Folder: C:\Courses\JavaFundamentals\Lesson04\CalculateSeasonSwitch

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder: Browse...

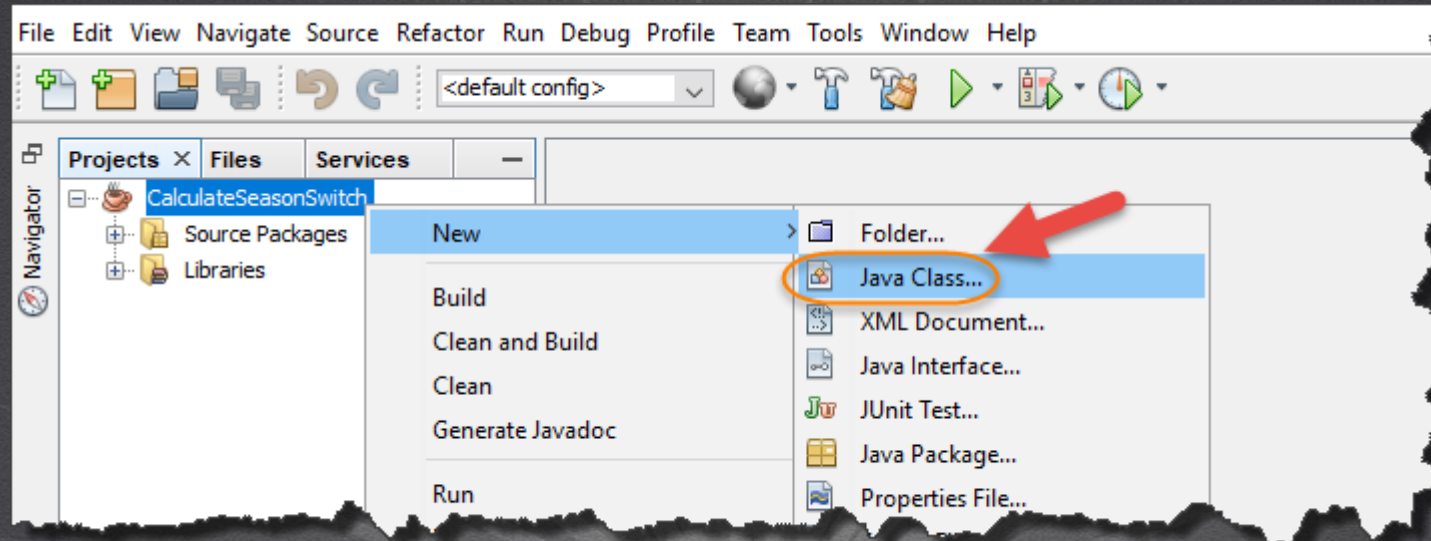
Different users and projects can share the same compilation libraries (see Help for details).

☐ Create Main Class calculateseasonswitch.CalculateSeasonSwitch

< Back Next > **Finish** Cancel Help

2. CREATE A NEW CLASS

Create a new class called CalculateSeasonSwitchTest:



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2. CREATE A NEW CLASS

Class Name: CalculateSeasonSwitchTest

New Java Class

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

Class Name: CalculateSeasonSwitchTest

Project: CalculateSeasonSwitch

Location: Source Packages

Package: test

Created File: C:\Courses\JavaFundamentals\Lesson04\CalculateSeasonSwitch\src\test\CalculateSeasonSwitchTest.java

< Back Next > **Finish** Cancel Help

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PASO 3. MODIFY THE CODE

CalculateSeasonSwitchTest.java:

Click to download

```
package test;

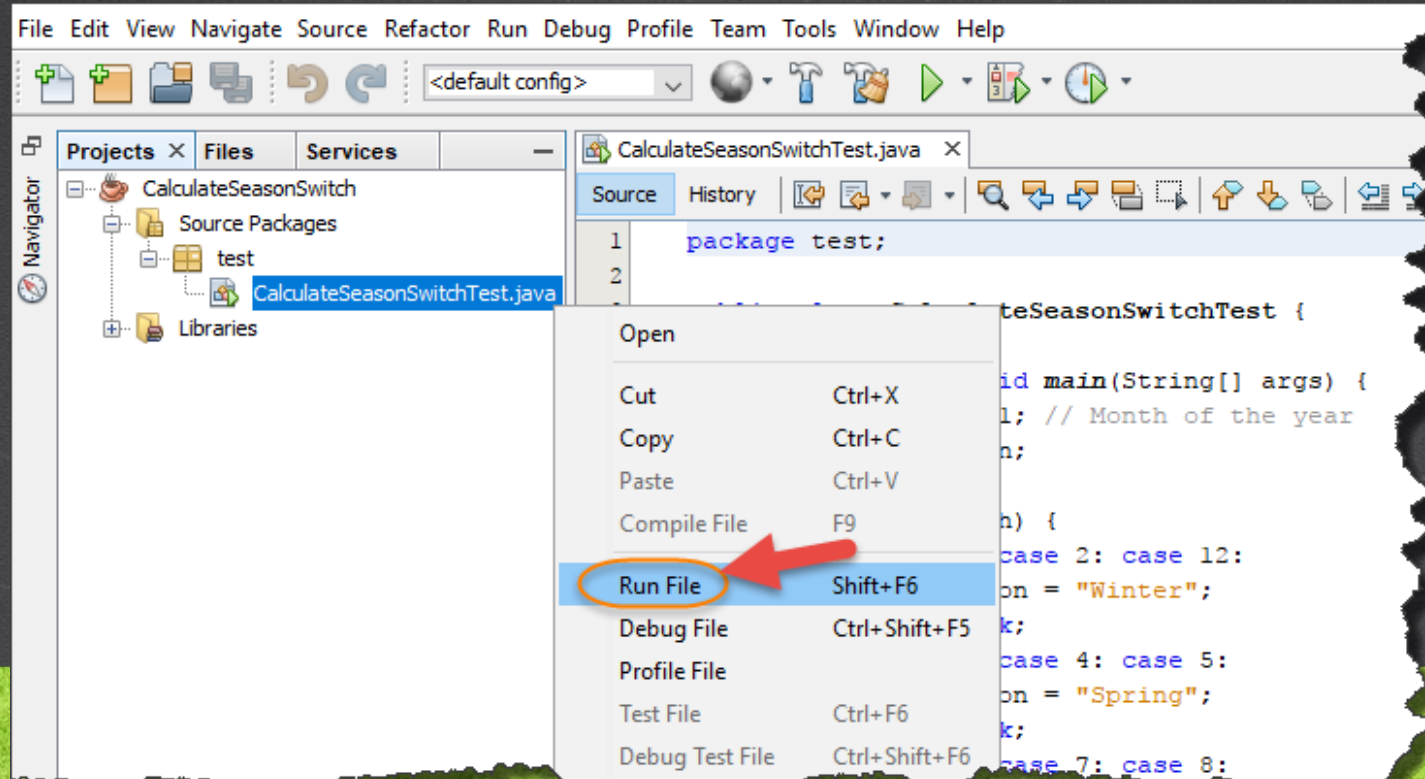
public class CalculateSeasonIfTest {

    public static void main(String[] args) {
        int month = 11; // Month of the year
        String season;

        switch (month) {
            case 1: case 2: case 12:
                season = "Winter";
                break;
            case 3: case 4: case 5:
                season = "Spring";
                break;
            case 6: case 7: case 8:
                season = "Summer";
                break;
            case 9:
            case 10: case 11:
                season = "Autumn";
                break;
            default:
                season = "Incorrect Month";
        }
        System.out.println("The season for the month " + month + " is: " + season);
    }
}
```

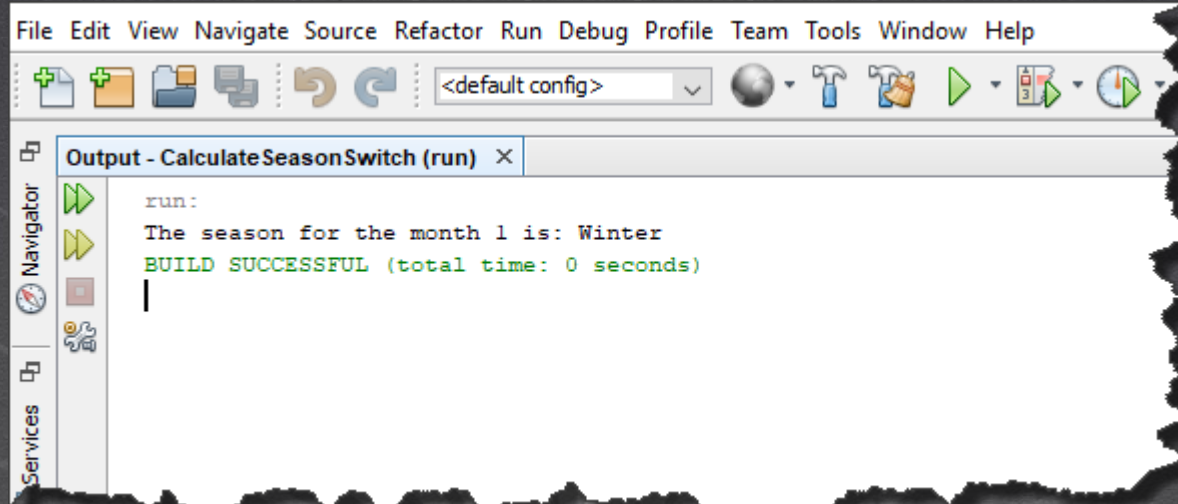

4. EXECUTE THE PROJECT

We execute our project. We give right click -> Run:



4. EXECUTE THE PROJECT (CONT)

The result is as follows:



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EXERCISE CONCLUSION

- With this exercise we have put into practice the handling of the switch structure.



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By: Eng. Ubaldo Acosta



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