

# JAVA FUNDAMENTALS COURSE

## EXERCISE

### CALCULATE SEASON IF EXAMPLE

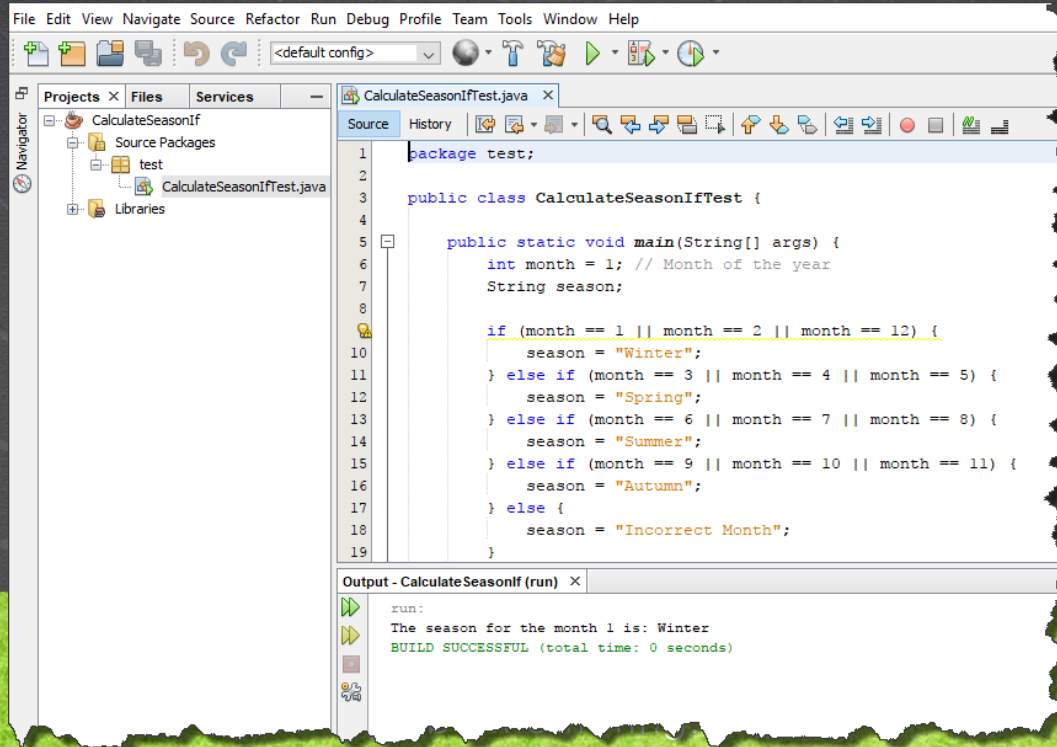


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# EXERCISE OBJECTIVE

Create an exercise to put into practice the if else 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
CalculateSeasonIf
Source Packages
test
CalculateSeasonIfTest.java
Libraries
Source History
package test;

public class CalculateSeasonIfTest {

    public static void main(String[] args) {
        int month = 1; // Month of the year
        String season;

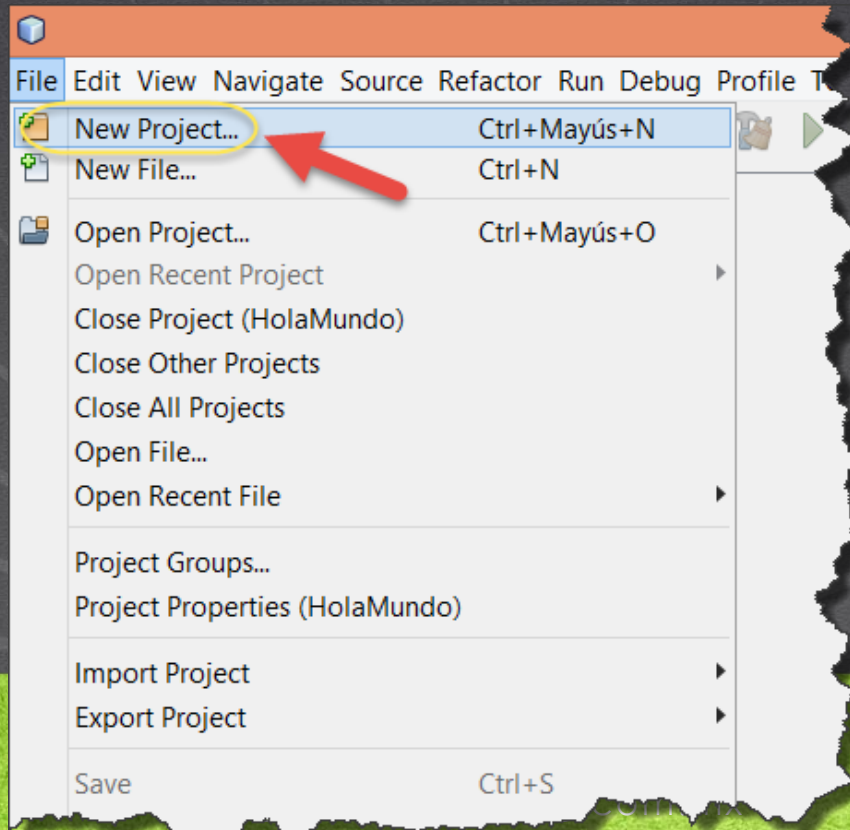
        if (month == 1 || month == 2 || month == 12) {
            season = "Winter";
        } else if (month == 3 || month == 4 || month == 5) {
            season = "Spring";
        } else if (month == 6 || month == 7 || month == 8) {
            season = "Summer";
        } else if (month == 9 || month == 10 || month == 11) {
            season = "Autumn";
        } else {
            season = "Incorrect Month";
        }
    }
}

Output - CalculateSeasonIf (run)
run:
The season for the month 1 is: Winter
BUILD SUCCESSFUL (total time: 0 seconds)
```



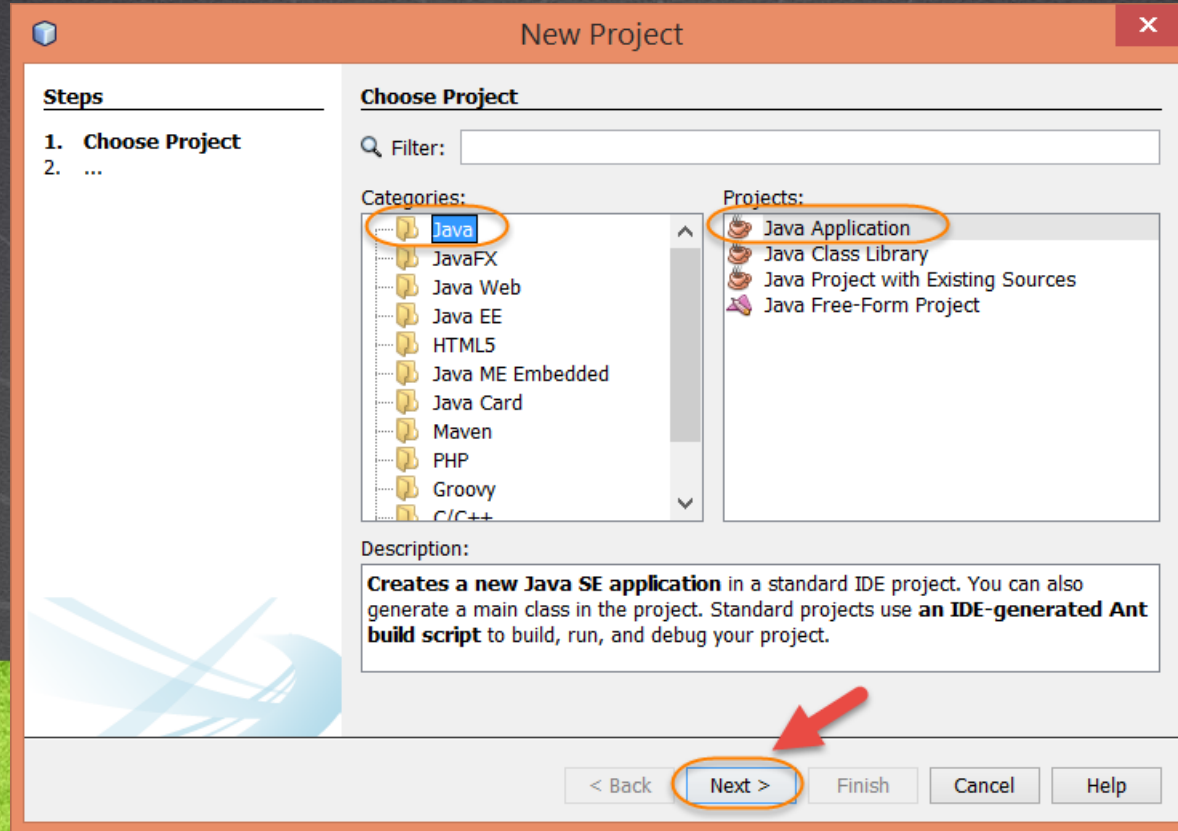
# 1. CREATE A NEW PROJECT

Create the Project named CalculateMonthIf:



# 1. CREATE A NEW PROJECT (CONT)

Select Java -> Java Application and click on Next:



# 1. CREATE A NEW PROJECT (CONT)

The Project name is: CalculateSeasonIf:

**New Java Application**

**Steps**

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

**Name and Location**

Project Name: CalculateSeasonIf

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

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

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder: Browse...

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

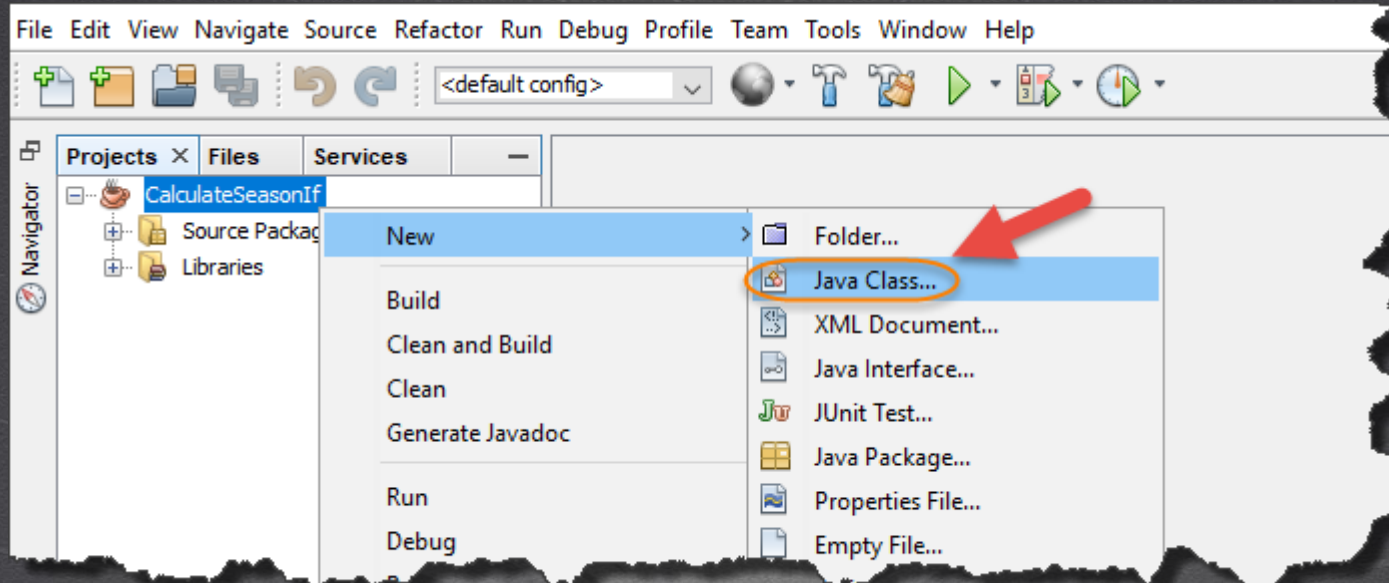
☐ Create Main Class calculateseasonif.CalculateSeasonIf

< Back Next > **Finish** Cancel Help



## 2. CREATE A NEW CLASS

Create a new class called CalculateSeasonIfTest:



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## 2. CREATE A NEW CLASS

Class Name: CalculateSeasonIfTest

**New Java Class**

**Steps**

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

**Name and Location**

Class Name:

Project:

Location:

Package:

Created File:

< Back   Next >   **Finish**   Cancel   Help

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# PASO 3. MODIFY THE CODE

## CalculateSeasonIfTest.java:

Click to download

```
package test;

public class CalculateSeasonIfTest {

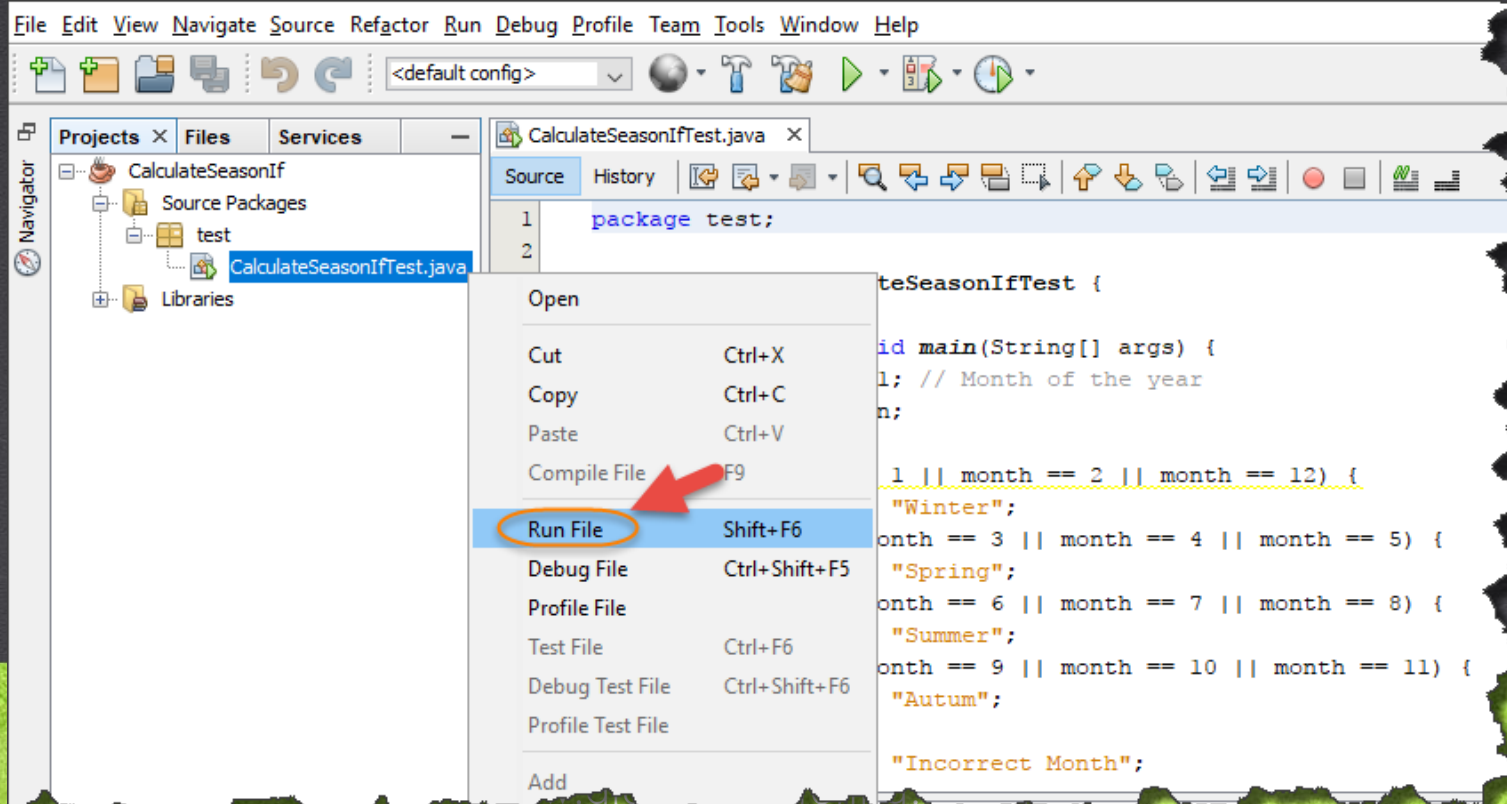
    public static void main(String[] args) {
        int month = 1; // Month of the year
        String season;

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



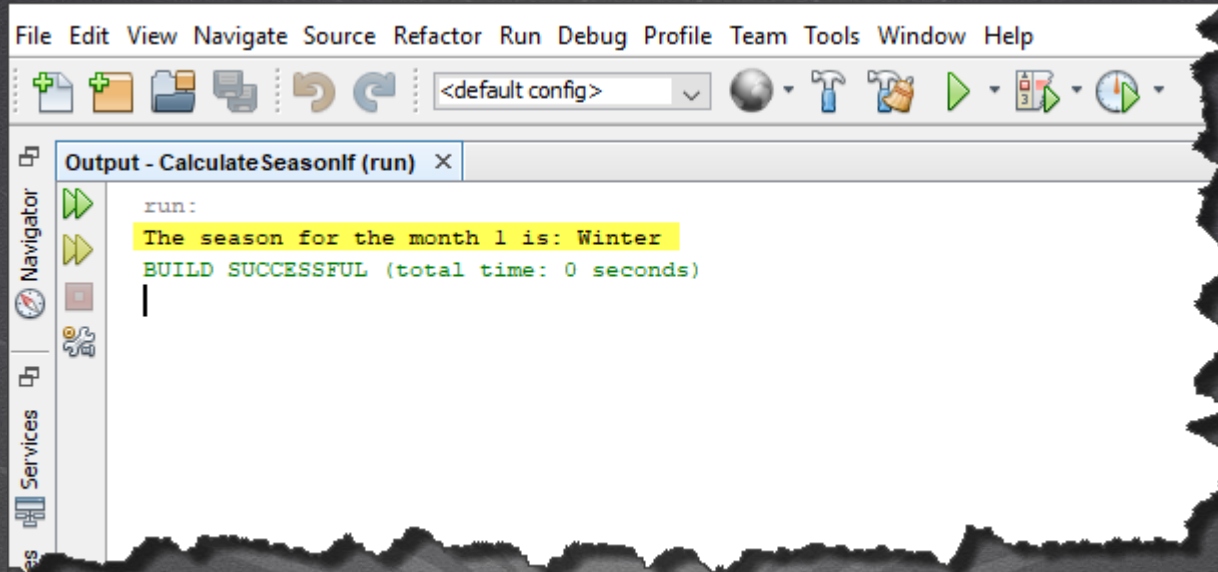
## 4. EXECUTE THE PROJECT

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



## 4. EXECUTE THE PROJECT (CONT)

The result is as follows:



# EXERCISE CONCLUSION

- With this exercise we have put into practice the handling of the if structure.
- Next, we will implement the switch structure in Java.



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