

JAVA FUNDAMENTALS COURSE

EXERCISE

IF STATEMENT

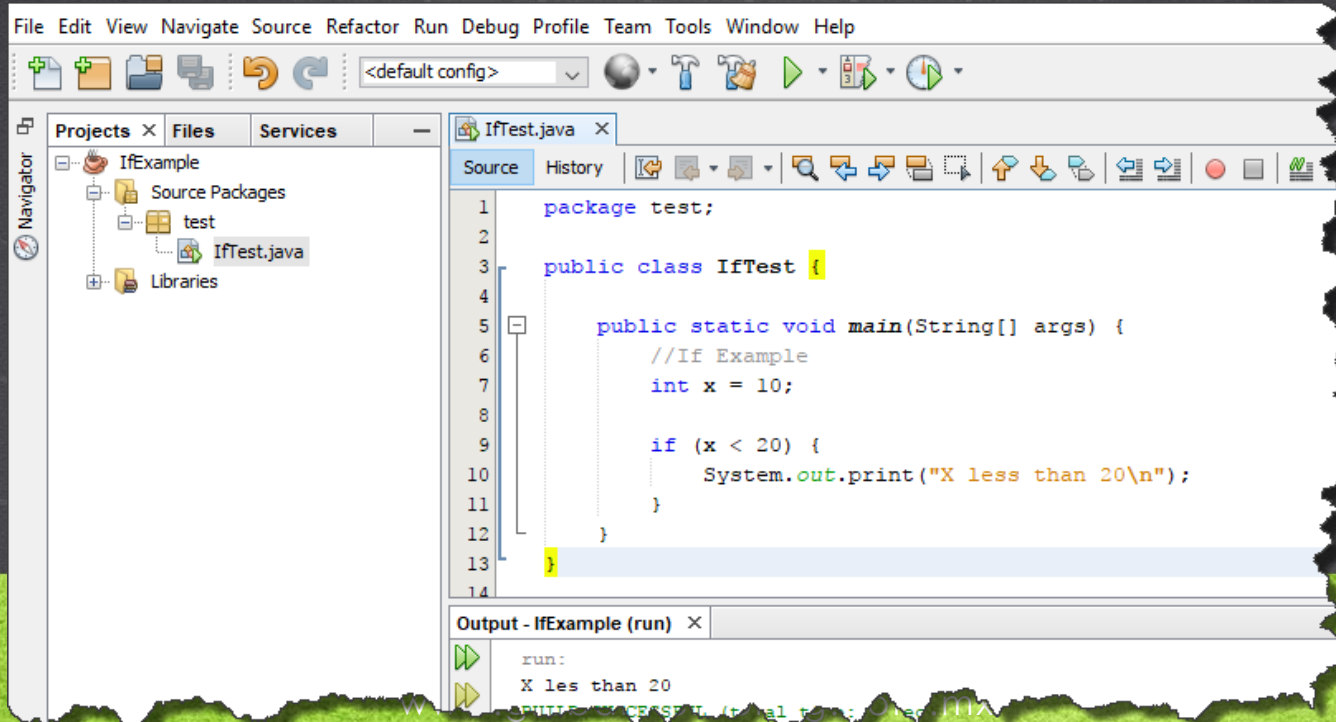


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EXERCISE OBJECTIVE

Create a program to implement the use of the if structure. At the end we should observe the following:



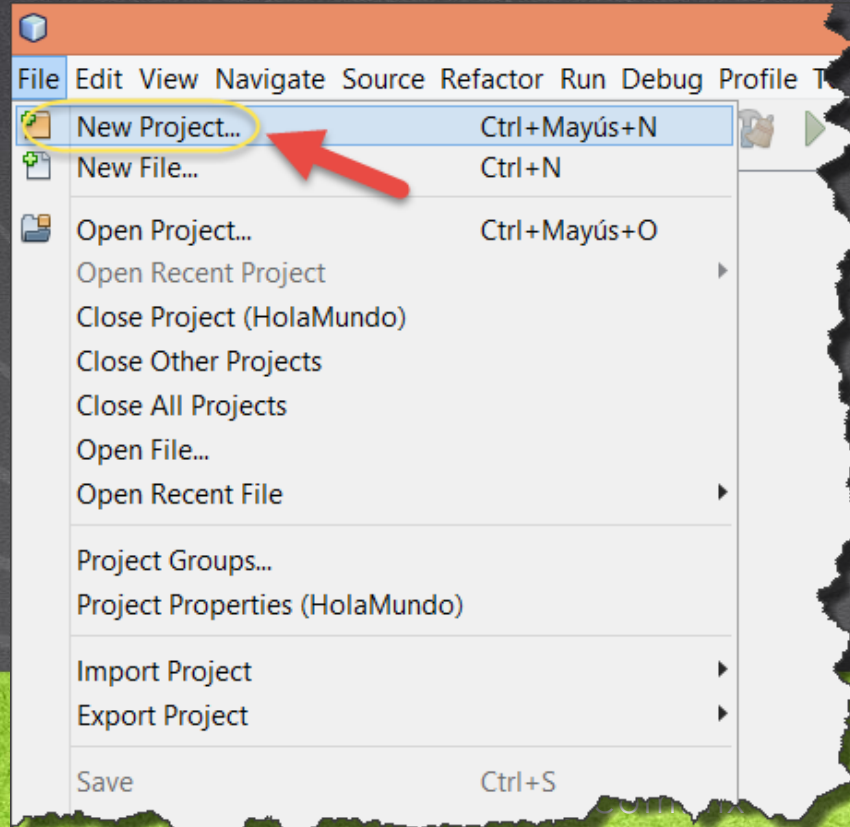
The screenshot shows an IDE window with the following components:

- Menu Bar:** File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, Help.
- Toolbar:** Includes icons for file operations, running, and debugging.
- Navigator:** Shows a project named 'IfExample' with a 'test' package containing 'IfTest.java'.
- Source Editor:** Displays the code for 'IfTest.java':

```
1 package test;  
2  
3 public class IfTest {  
4  
5     public static void main(String[] args) {  
6         //If Example  
7         int x = 10;  
8  
9         if (x < 20) {  
10            System.out.print("X less than 20\n");  
11        }  
12    }  
13 }  
14
```
- Output Console:** Shows the output of the program: 'run: X less than 20'.

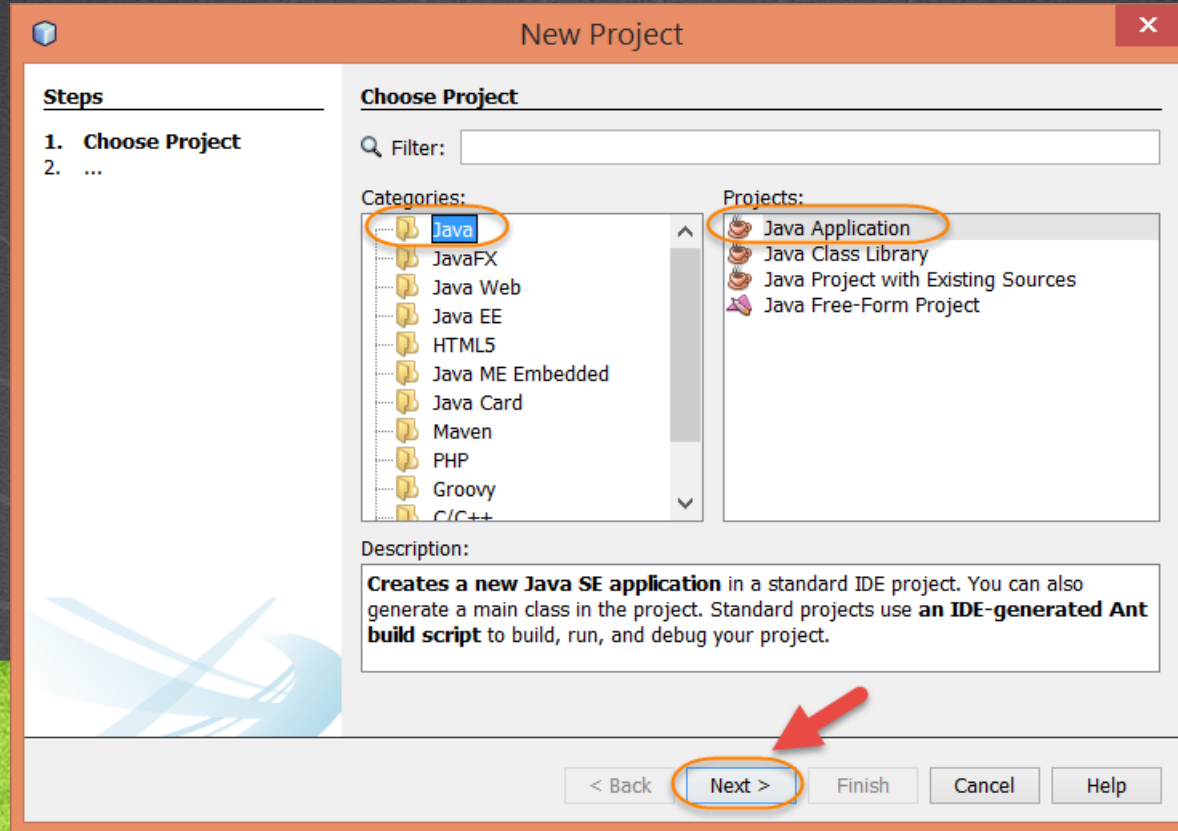
1. CREATE A NEW PROJECT

Create a new project called IfExample:



1. CREATE A NEW PROJECT (CONT)

Select Java -> Java Application:



1. CREATE A NEW PROJECT (CONT)

The Project is called IfExample:

New Java Application

Steps

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

Name and Location

Project Name: IfExample

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

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

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder: Browse...

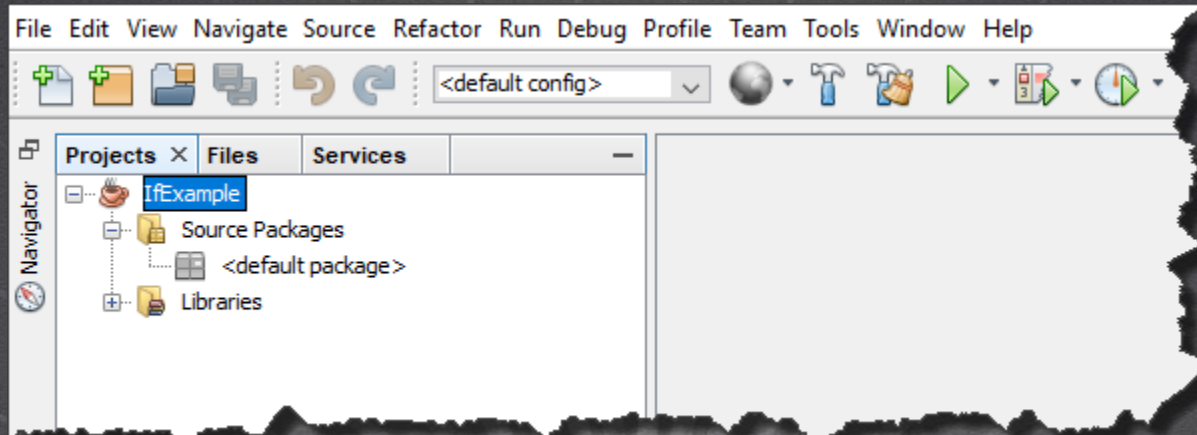
Different users and projects can share the same compilation libraries (see Help for details).

☐ Create Main Class ifexample.IfExample

< Back Next > **Finish** Cancel Help

1. CREATE A NEW PROJECT (CONT)

The Project has the desired structure.

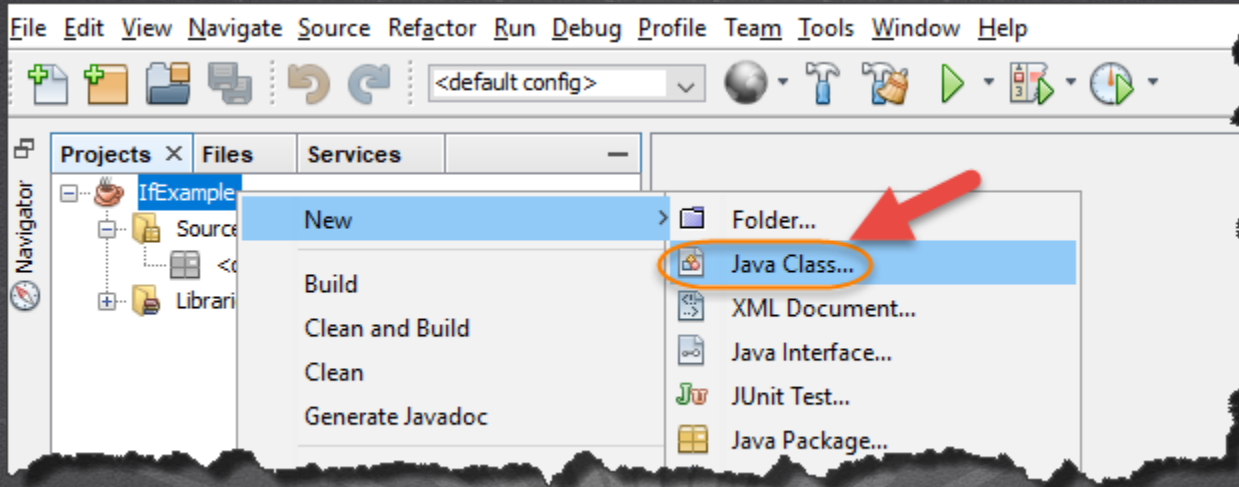


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2. CREATE A NEW CLASS

Create a new class called IfTest.java:



2. CREATE A NEW CLASS

Create a new class called IfTest.java:

New Java Class

Steps

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

Name and Location

Class Name: IfTest

Project: IfExample

Location: Source Packages

Package: test

Created File: C:\Courses\JavaFundamentals\Lesson04\IfExample\src\test\IfTest.java

< Back Next > **Finish** Cancel Help

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PASO 3. MODIFY THE CODE

[Archivo IfTest.java:](#)

Click to download

```
package test;

public class IfTest {

    public static void main(String[] args) {
        //If Example
        int x = 10;

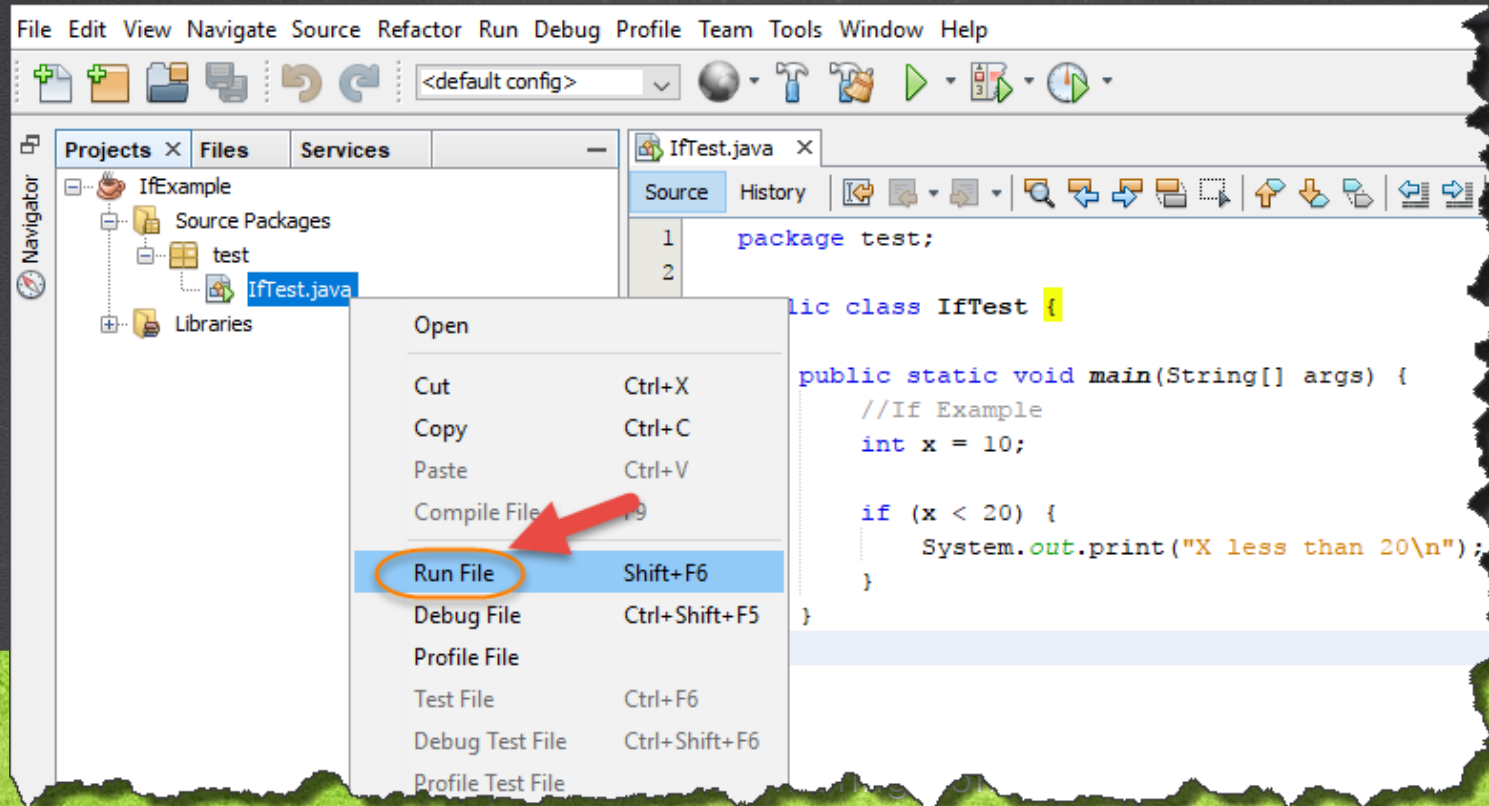
        if (x < 20) {
            System.out.print("X less than 20\n");
        }
    }
}
```

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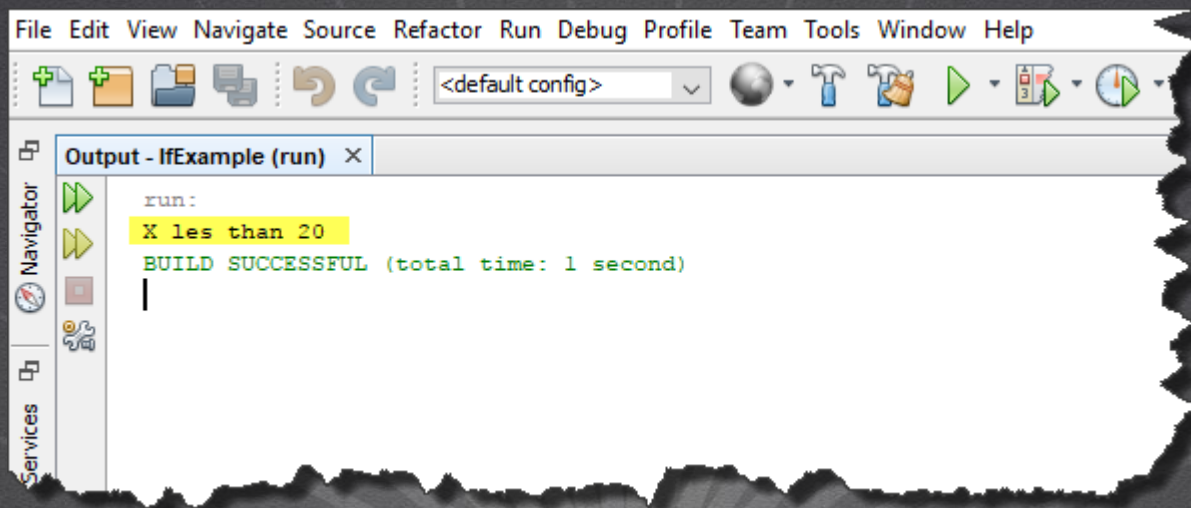
4. EXECUTE THE PROJECT

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 if statements.
- Then we will do some more exercises regarding the issue of control sentences.



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ONLINE COURSE

JAVA FUNDAMENTALS

By: Eng. Ubaldo Acosta



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