

JAVA FUNDAMENTALS COURSE

EXERCISE

PACKAGES IN JAVA

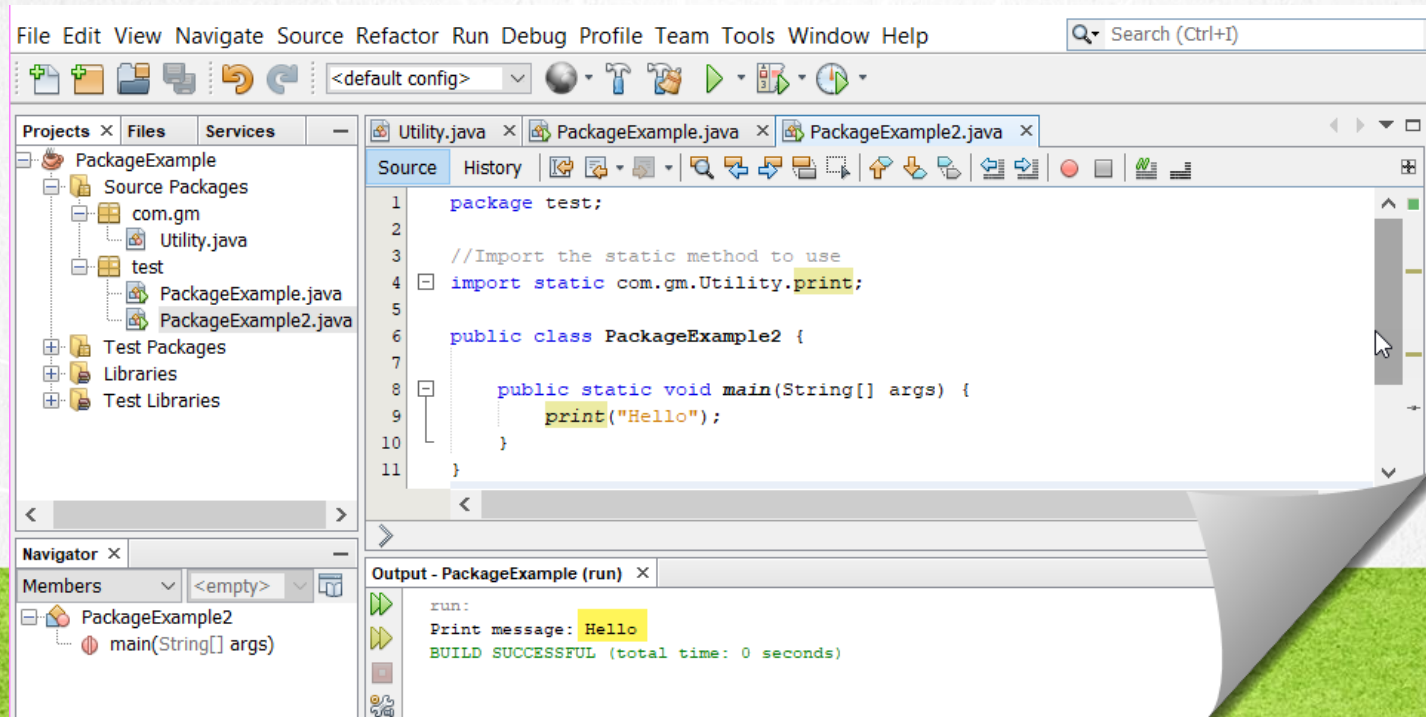


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EXERCISE OBJECTIVE

Create a program to practice handling packages in Java. At the end we should observe the following:



1. CREATE A NEW PROJECT

Create a new project:

New Java Application

Steps

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

Name and Location

Project Name:

Project Location:

Project Folder:

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder:

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

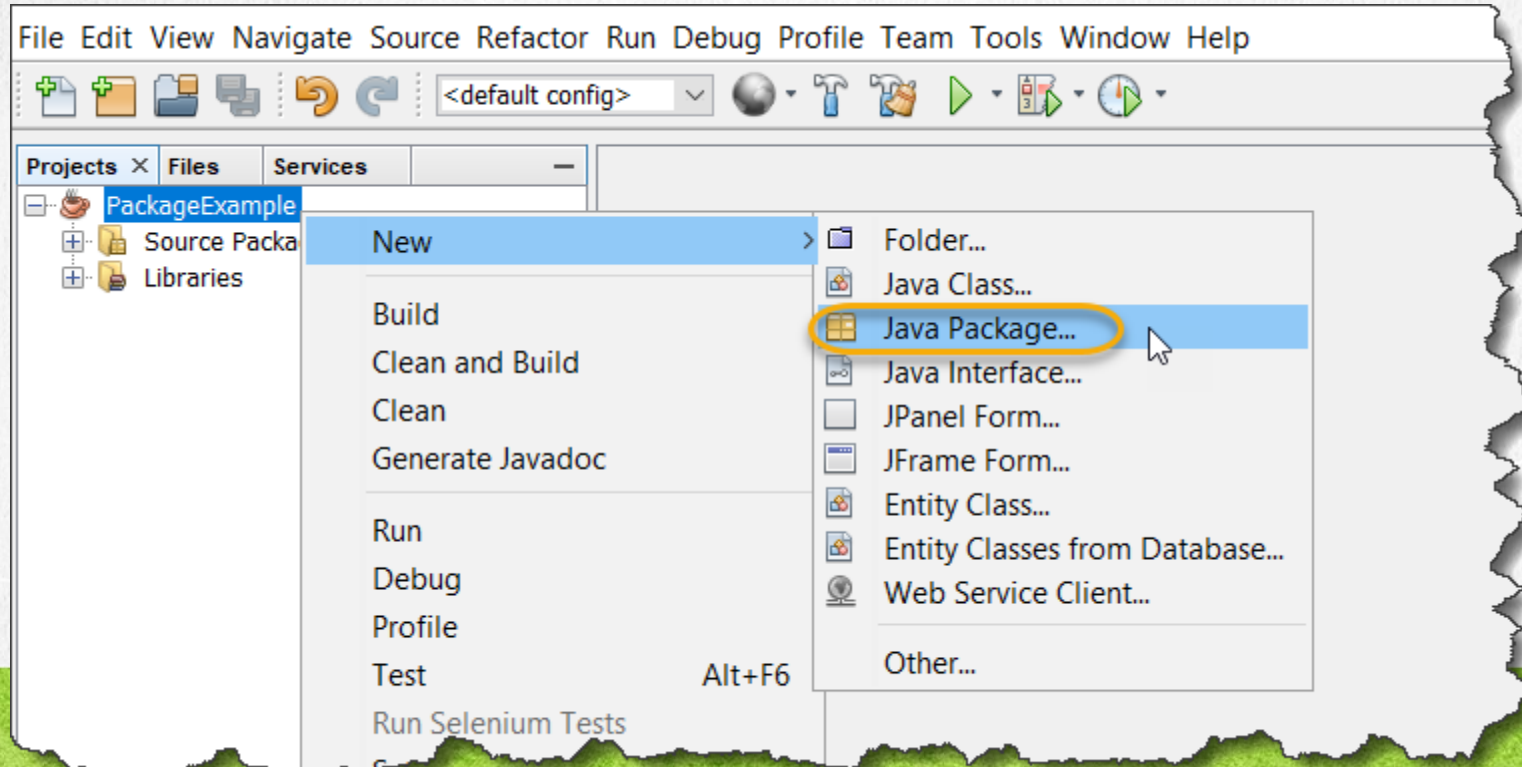
☐ Create Main Class

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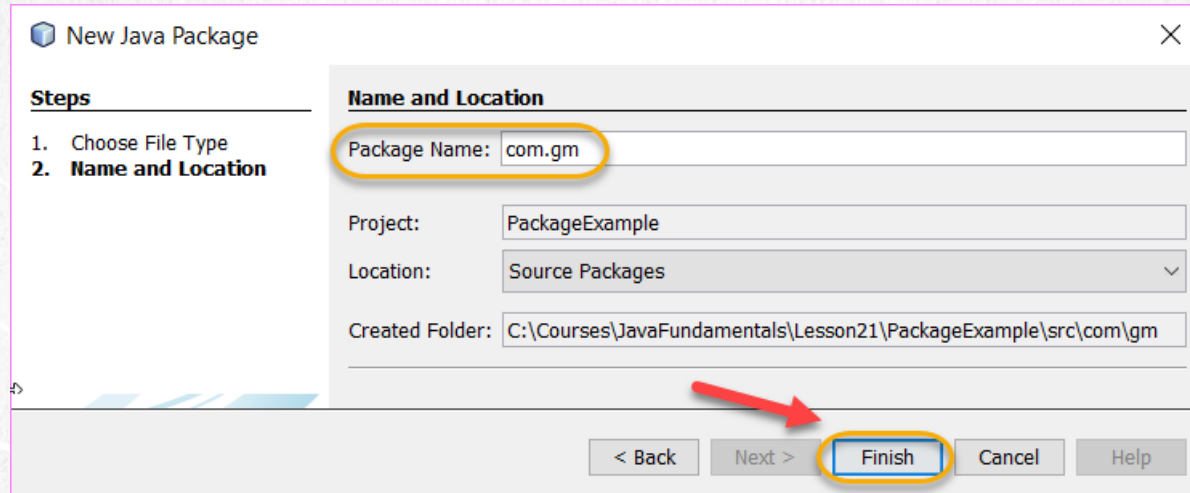
2. CREATE A NEW [PACKAGE

Create a package:



2. CREATE A NEW PACKAGE(CONT)

Create a new package:



New Java Package

Steps

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

Name and Location

Package Name:

Project:

Location:

Created Folder:

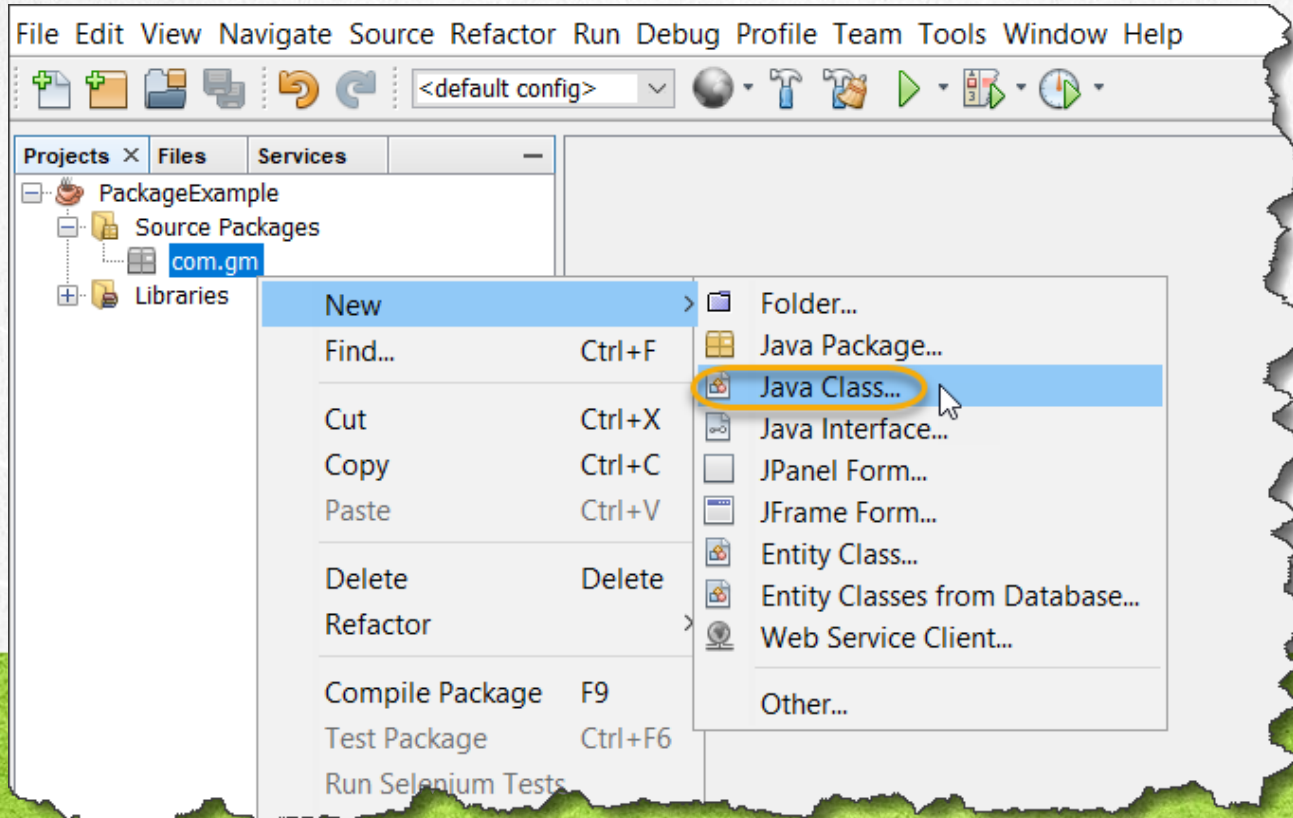
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3. CREATE A NEW CLASS

Create a new class inside the new package:



3. CREATE A NEW CLASS (CONT)

Create a new class inside of the new package:

New Java Class

Steps

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

Name and Location

Class Name:

Project:

Location:

Package:

Created File:

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4. MODIFY THE CODE

Utility.java:

```
package com.gm;  
  
public class Utility {  
  
    public static void print(String message){  
        System.out.println("Print message: " + message);  
    }  
}
```


5. CREATE A NEW CLASS

Create a new class in other package:

New Java Class

Steps

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

Name and Location

Class Name: PackageExample

Project: PackageExample

Location: Source Packages

Package: test

Created File: C:\Courses\JavaFundamentals\Lesson21\PackageExample\src\test\PackageExample.java

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PASO 5. MODIFICAMOS EL CÓDIGO

PackageExample.java:

```
package test;

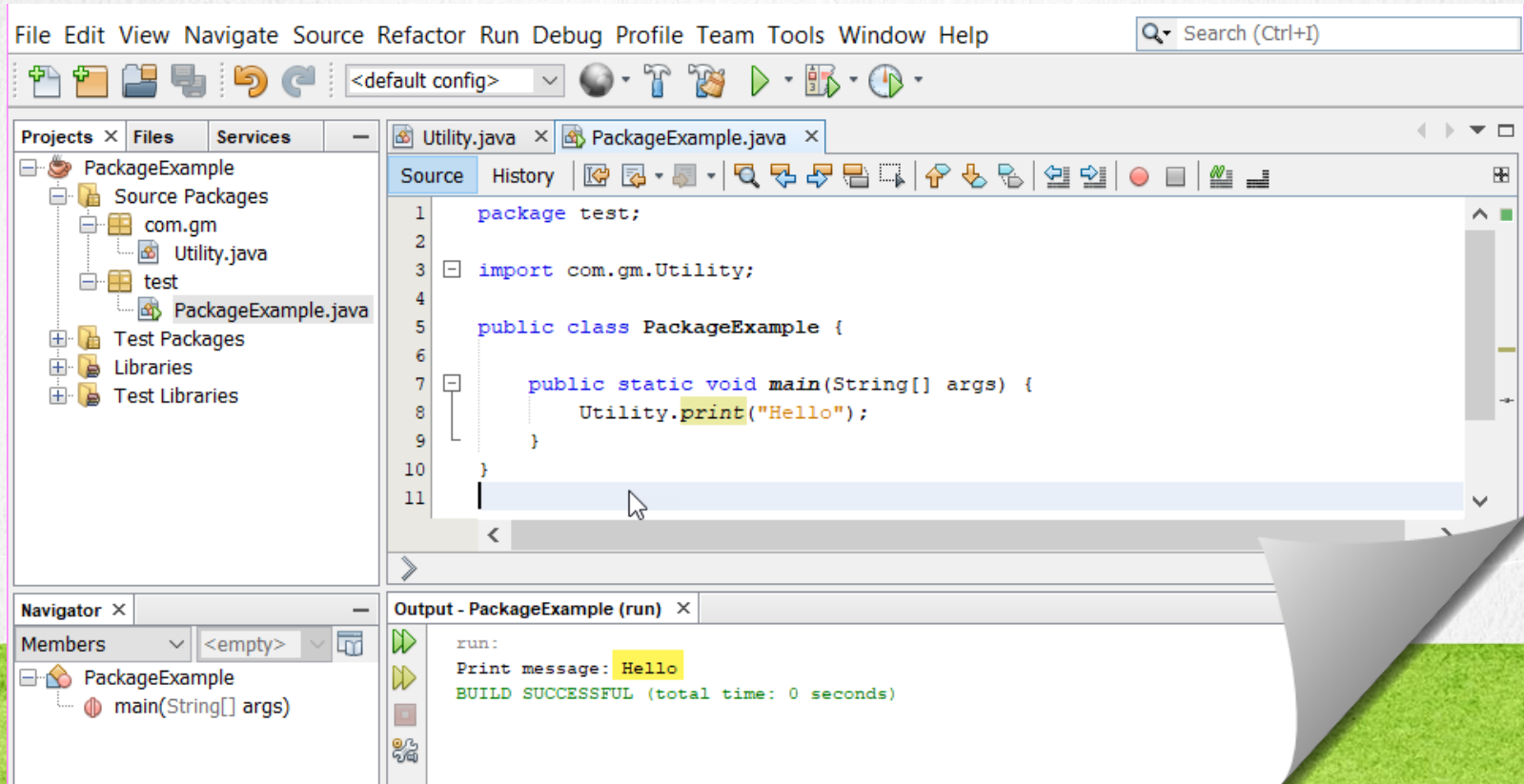
import com.gm.Utility;

public class PackageExample {

    public static void main(String[] args) {
        Utility.print("Hello");
    }
}
```

6. EXECUTE THE CLASS

The result is as follows:



7. CREATE A NEW CLASS

Create a new class in other package:

New Java Class

Steps

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

Name and Location

Class Name:

Project:

Location:

Package:

Created File:

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8. MODIFY THE CODE

PackageExample2.java:

```
package test;

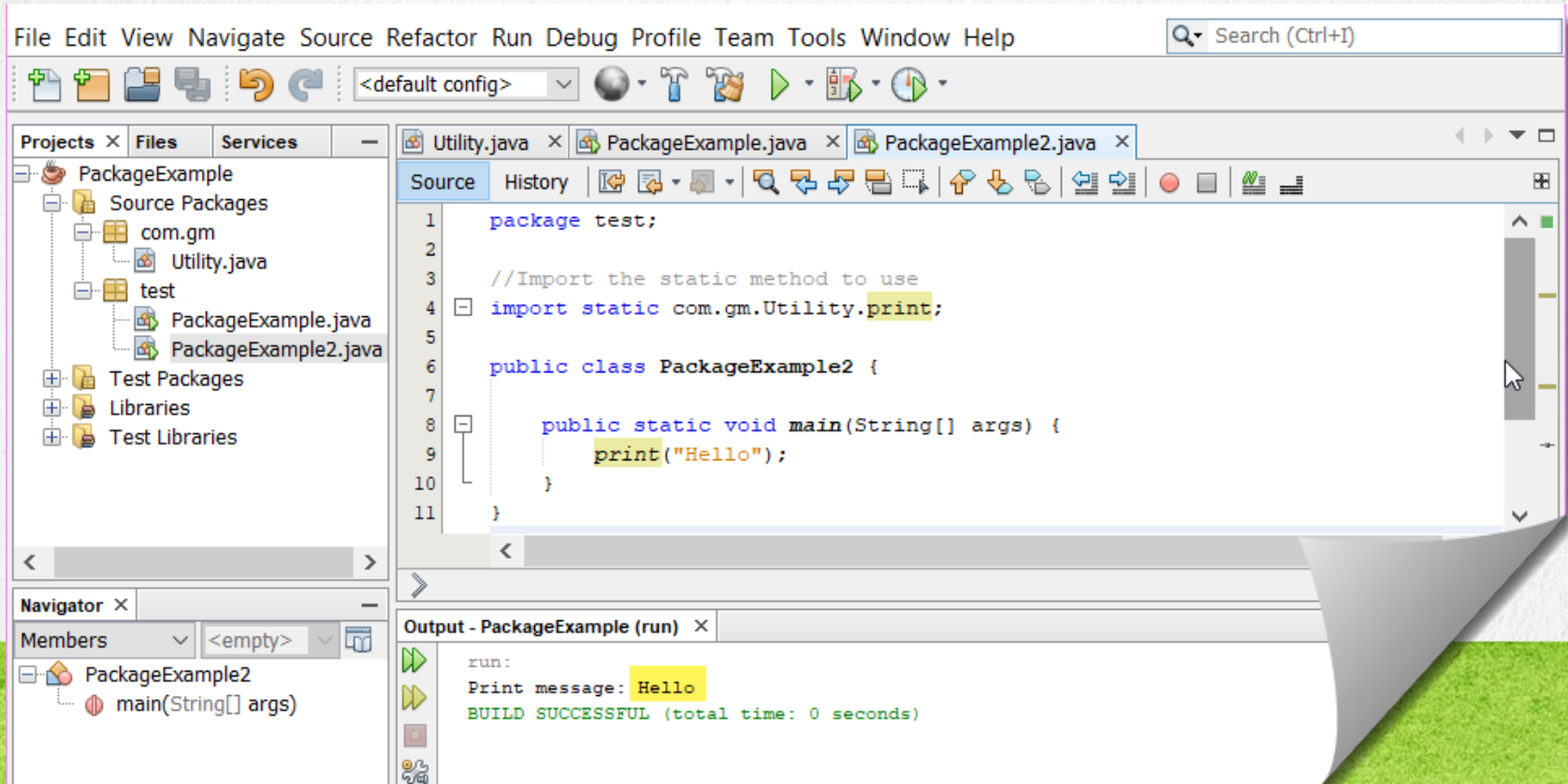
//Import the static method to use
import static com.gm.Utility.print;

public class PackageExample2 {

    public static void main(String[] args) {
        print("Hello");
    }
}
```

9. EXECUTE THE CLASS

The result is as follows:



EXERCISE CONCLUSION

- With this exercise we have put into practice the most basic of handling packages in Java. As we move forward, we will be able to learn more questions about this topic, especially issues that have to do with inheritance and limits when handling packages.
- For more information about packages in Java:
- <https://docs.oracle.com/javase/tutorial/java/package/packages.html>

ONLINE COURSE

JAVA FUNDAMENTALS

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