Quick Introduction to Apache Netbeans 11

For Java Training

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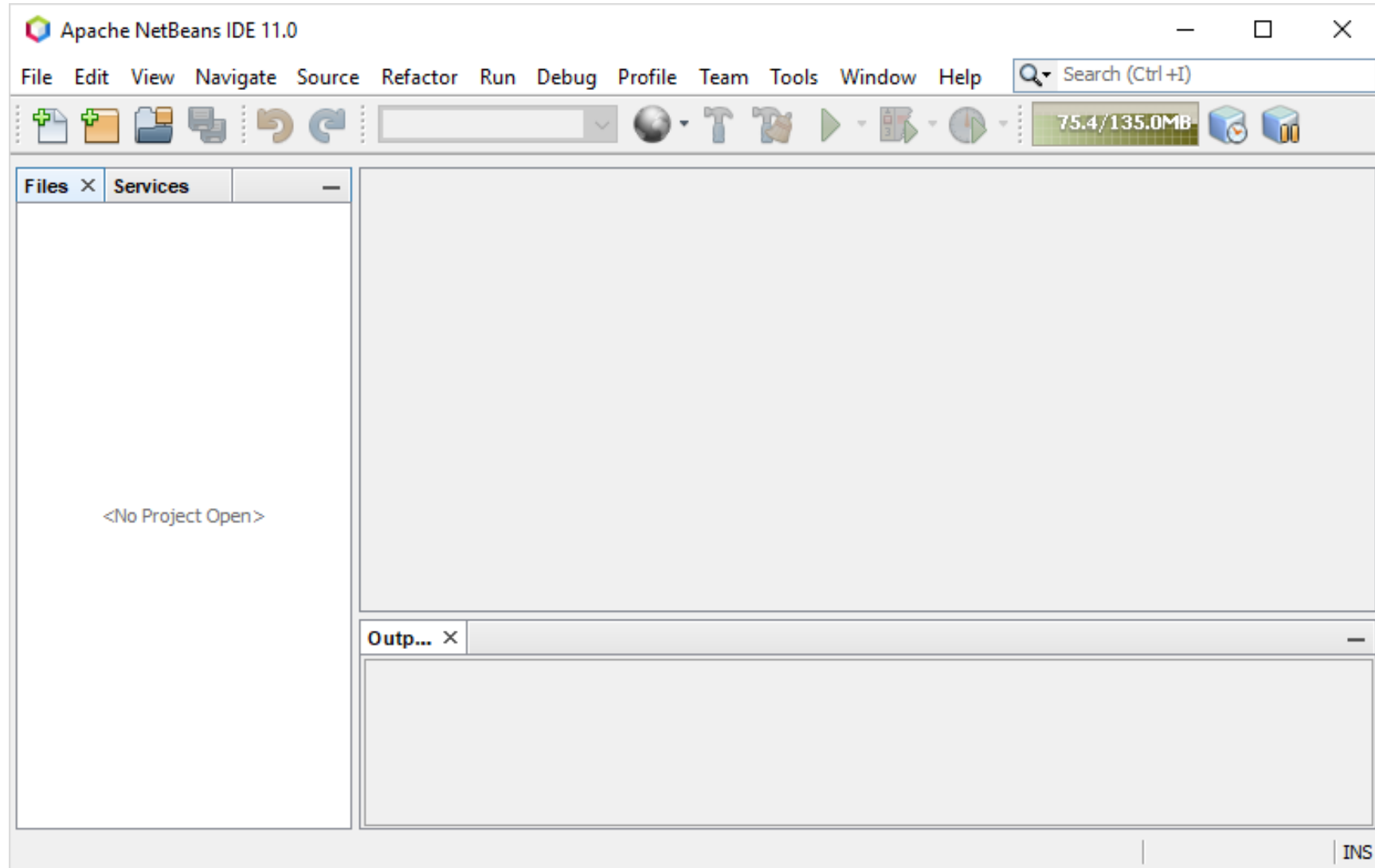
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# Integrated Development Environment

Create a New Project (1/2)

- Launch Netbeans IDE
  1. Choose **File** -> **New Project...**
  2. Choose **Java with Ant** -> **Java Application**
  3. Click **Next >**
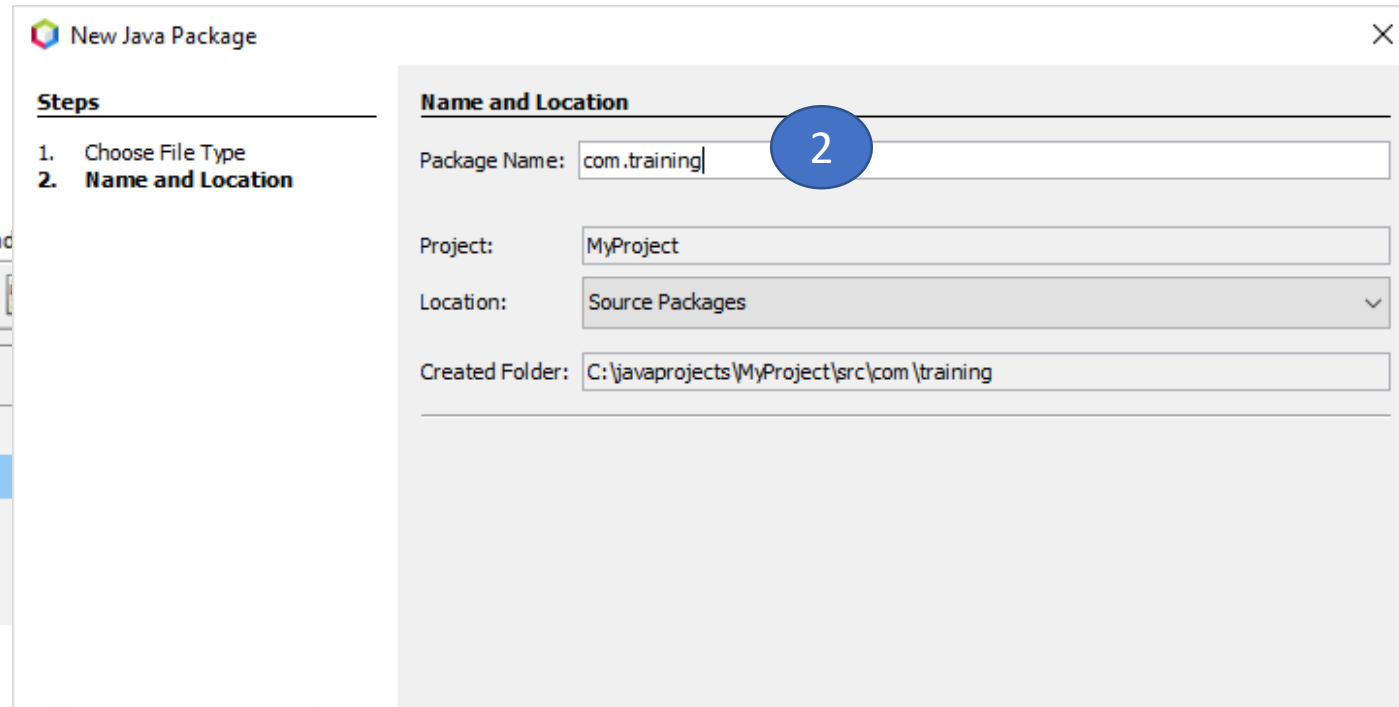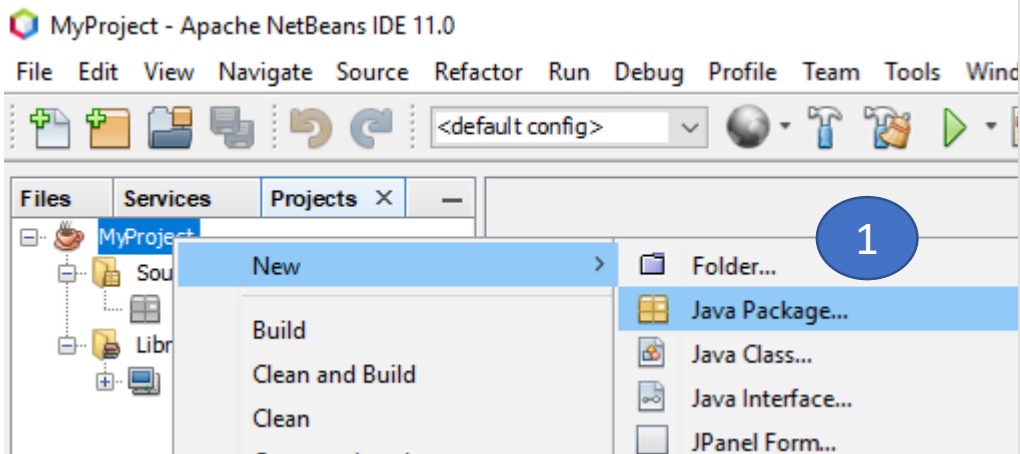

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Author: wjchay88@yahoo.com
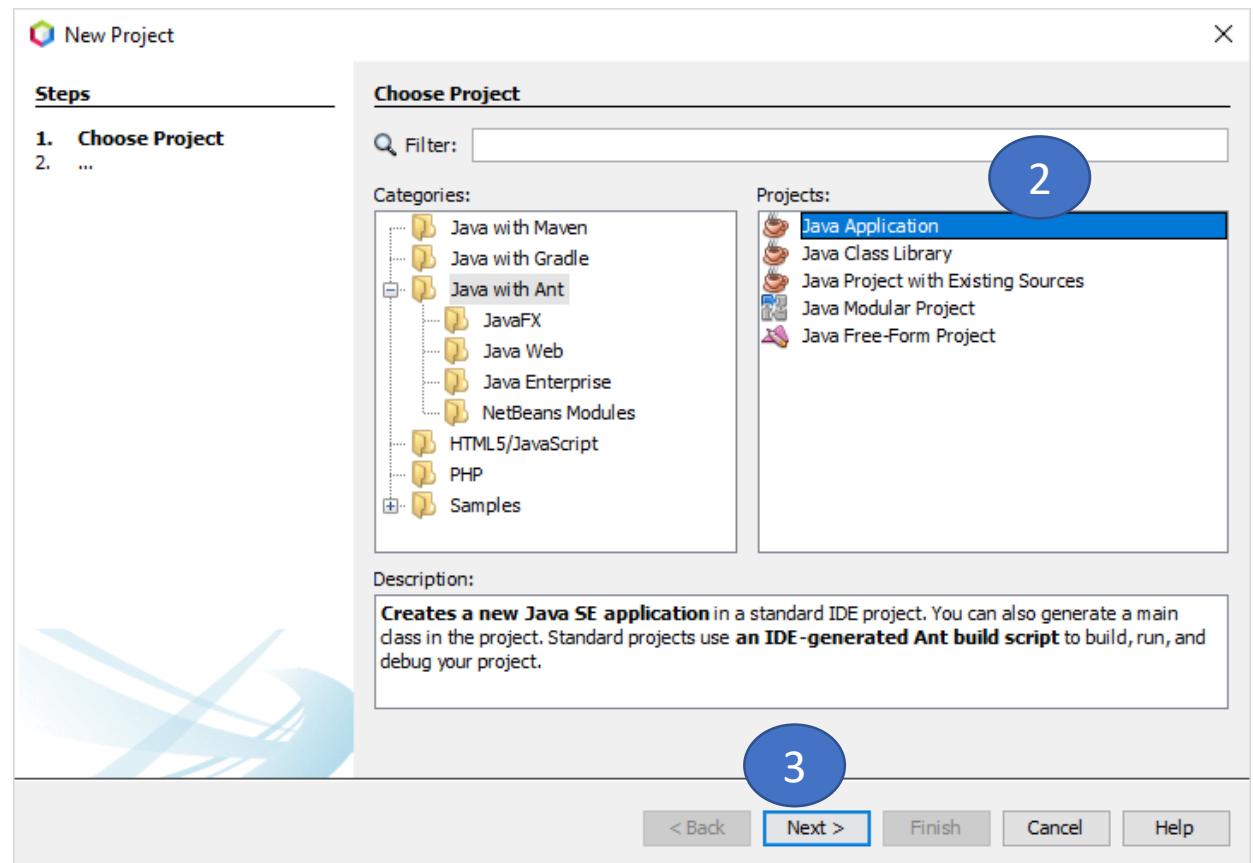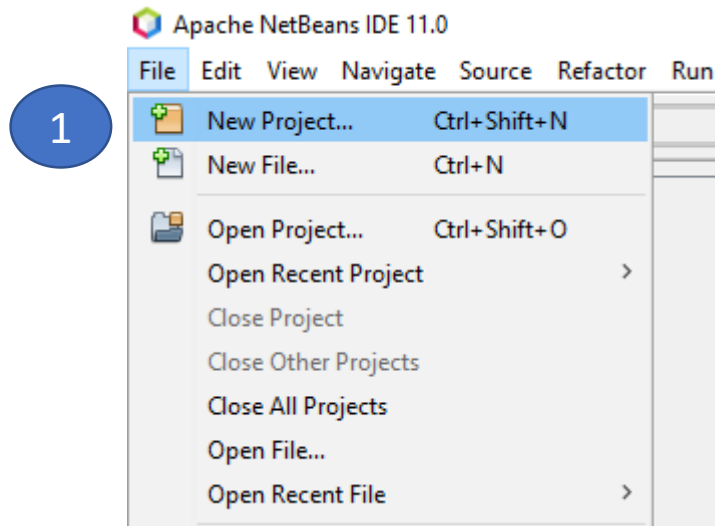
Create a New Project (2/2)

1. Enter Project Name: **MyProject**

2. Create a folder in Windows Explorer: C:\javaprojects, then enter Project Location: **C:\javaprojects**

3. Uncheck **Create Main Class**

4. Choose **Finish**

5. **MyProject** is created in IDE. Double-click **MyProject** to expand structure.
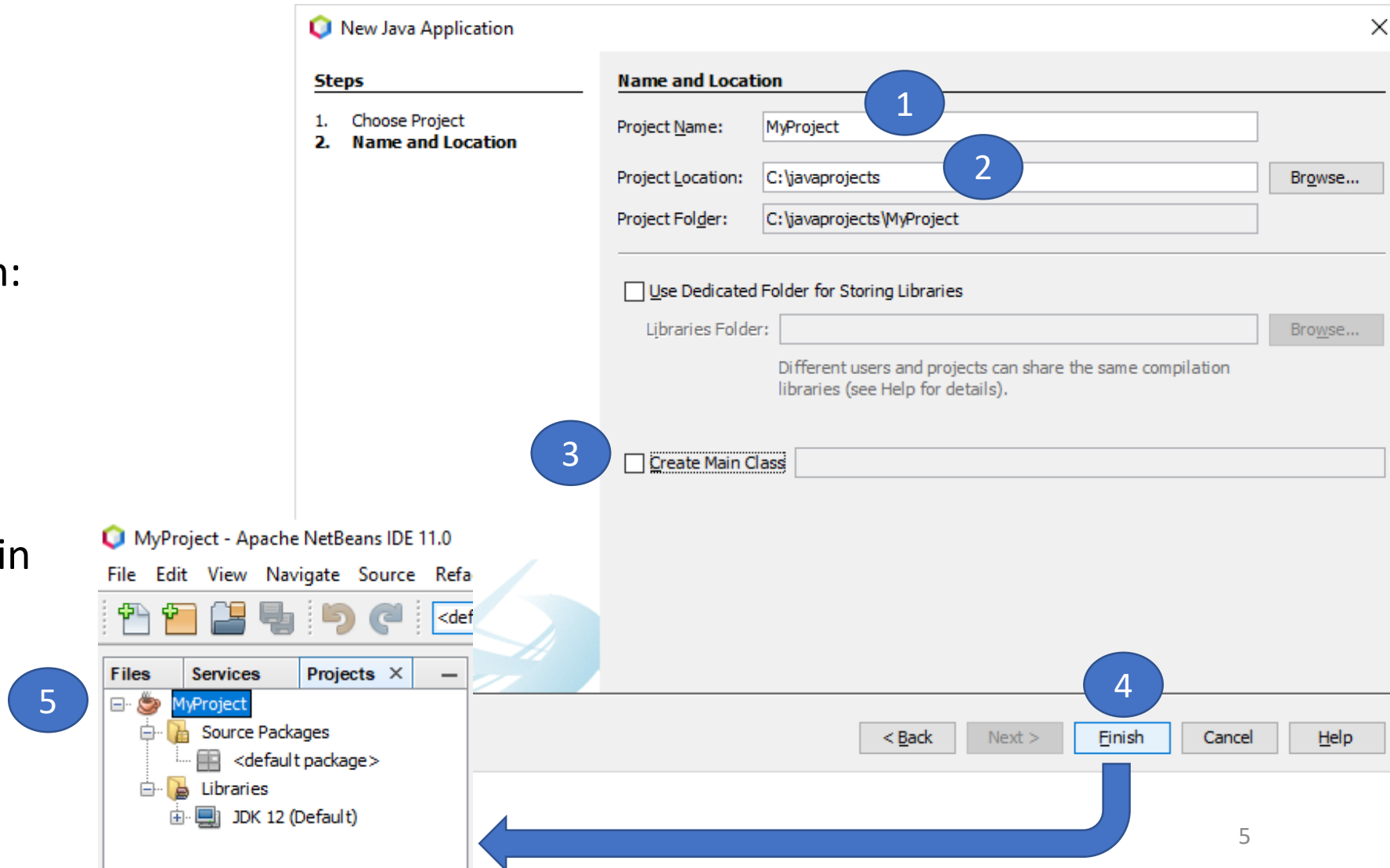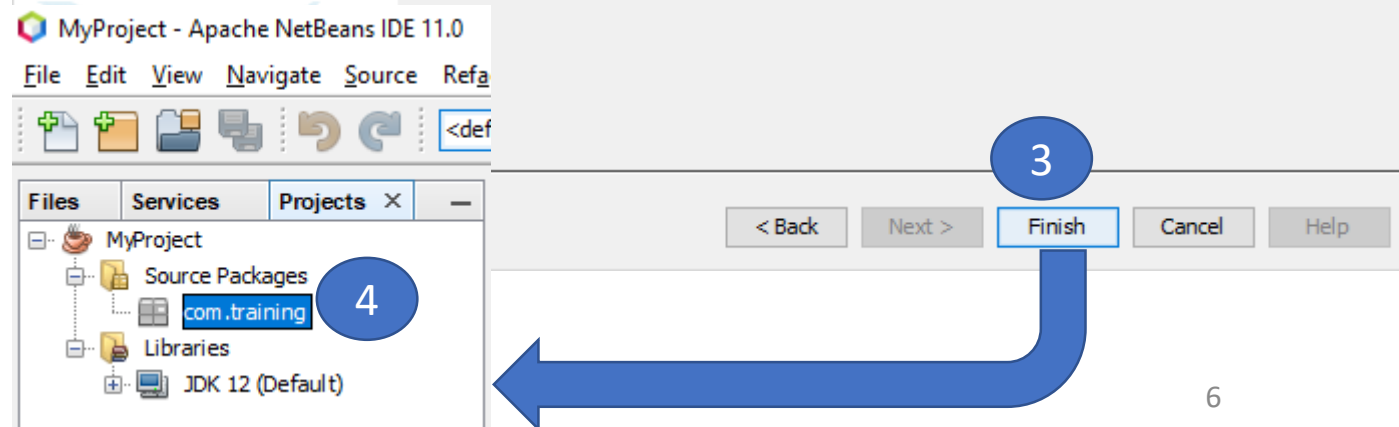
Create a New Java Package

1. Right click on **MyProject**, choose **New** -> **Java Package...**
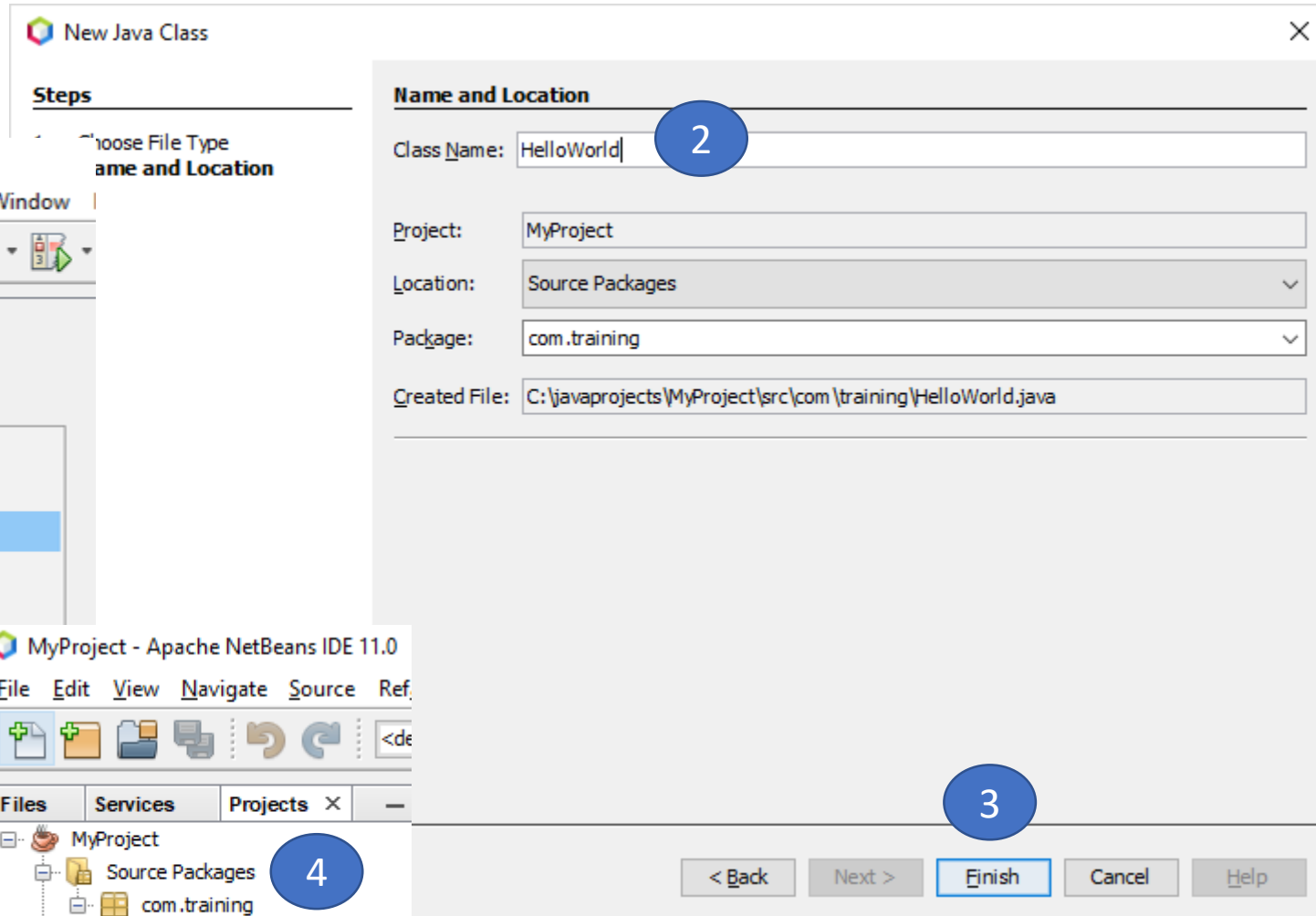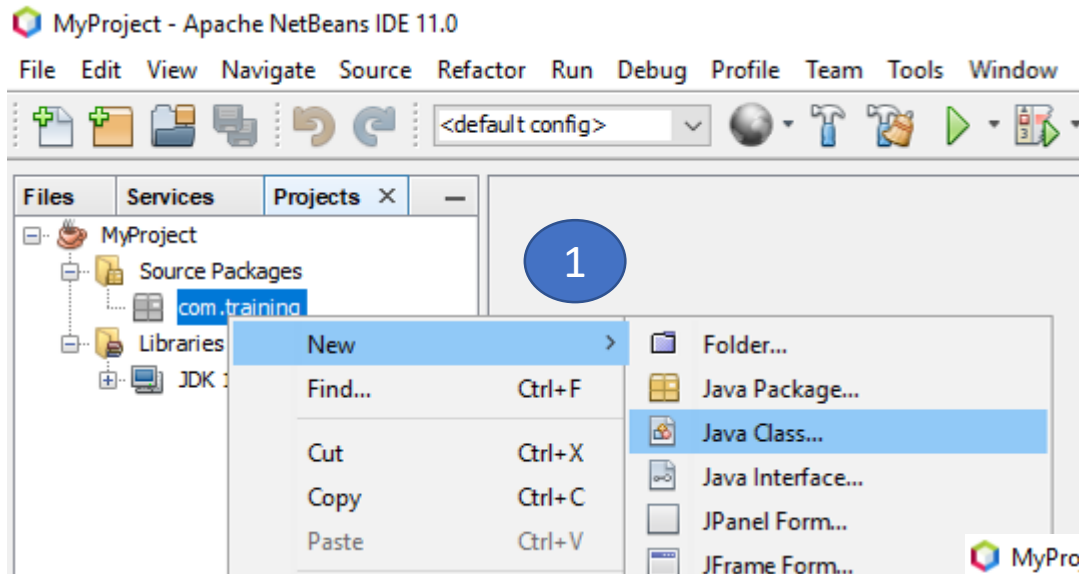

2. Enter Package Name: **com.training**

3. Click on **Finish**

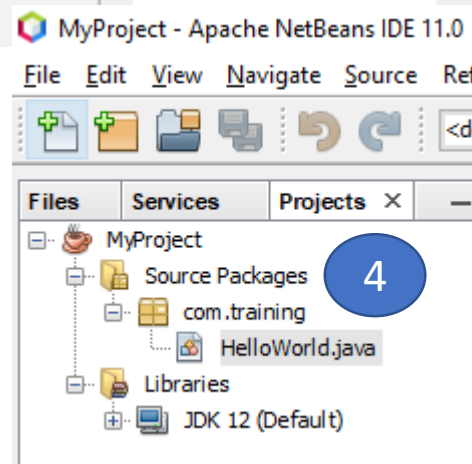4. **com.training** package created

Create a New Java Class

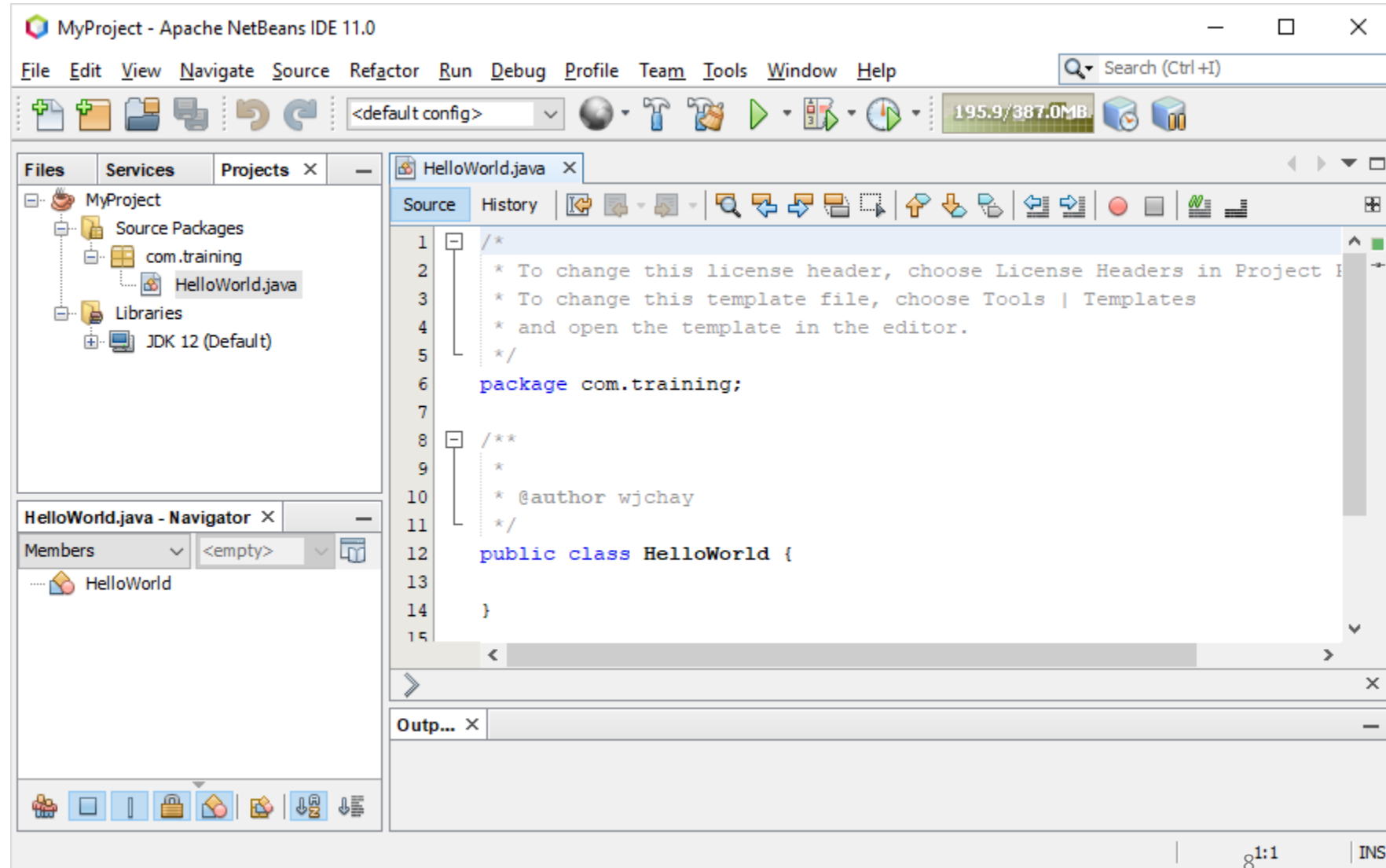1. Right click on **com.training**, choose **New** -> **Java Class...**

2. Enter Class Name: **HelloWorld**

3. Click on **Finish**

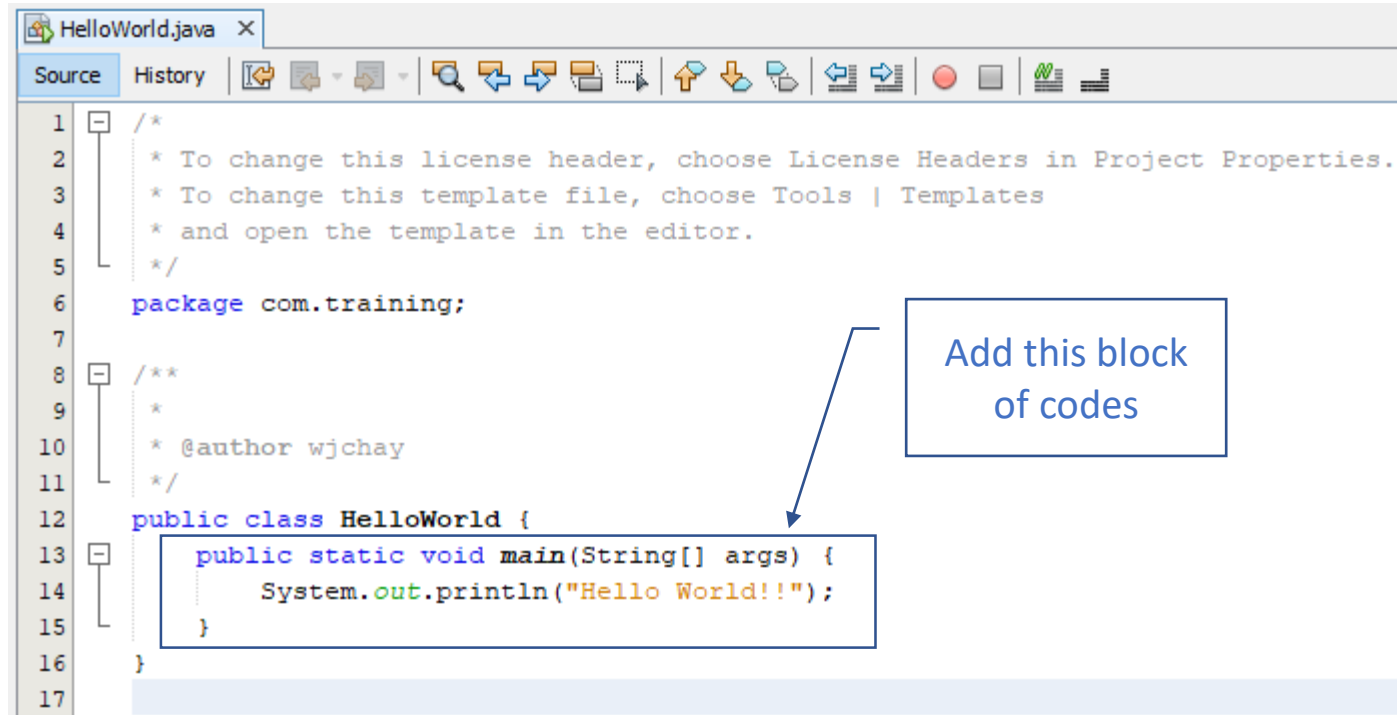4. **HelloWorld.java** class created

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Add Code to Generated Source File (1/2)

- This screen shows the HelloWorld.java class generated by the IDE based on previous steps.

Add Code to Generated Source File (2/2)

- Add a block of code to the class as shown.

- **Control-S** to save the file.

- This will output "Hello World!!" when the program is run.

Add this block of codes
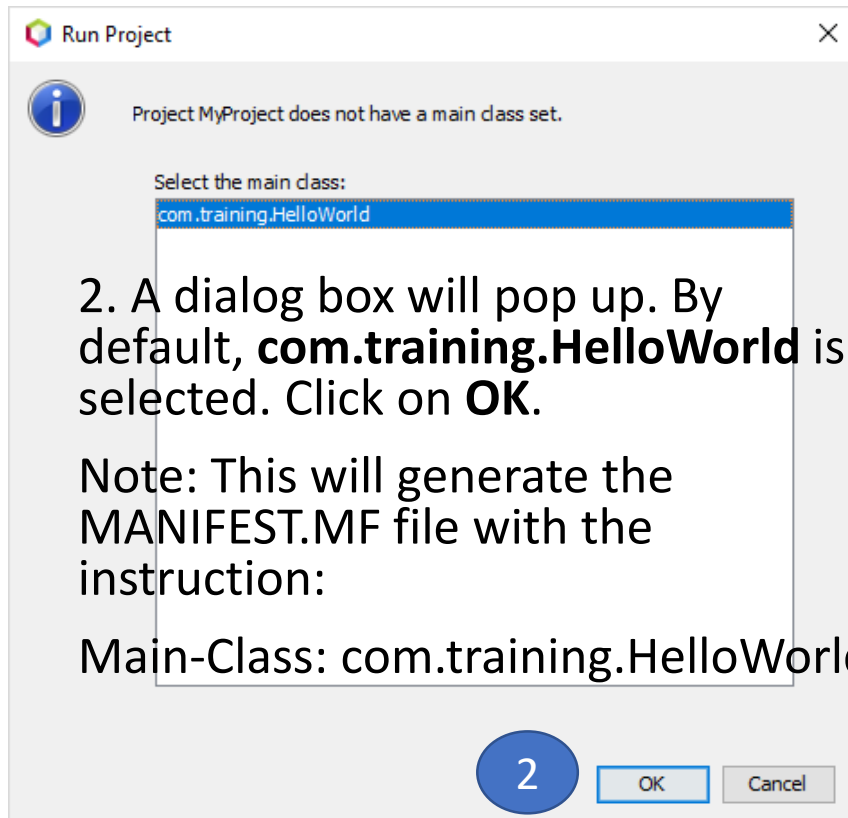
Run the Project

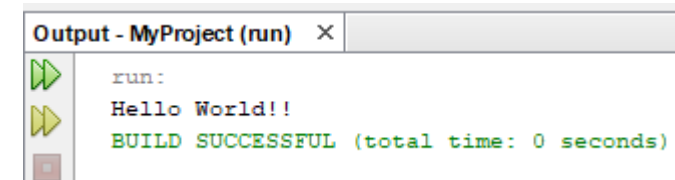1. From the **Run** pull down menu, choose **Run Project (MyProject) F6**
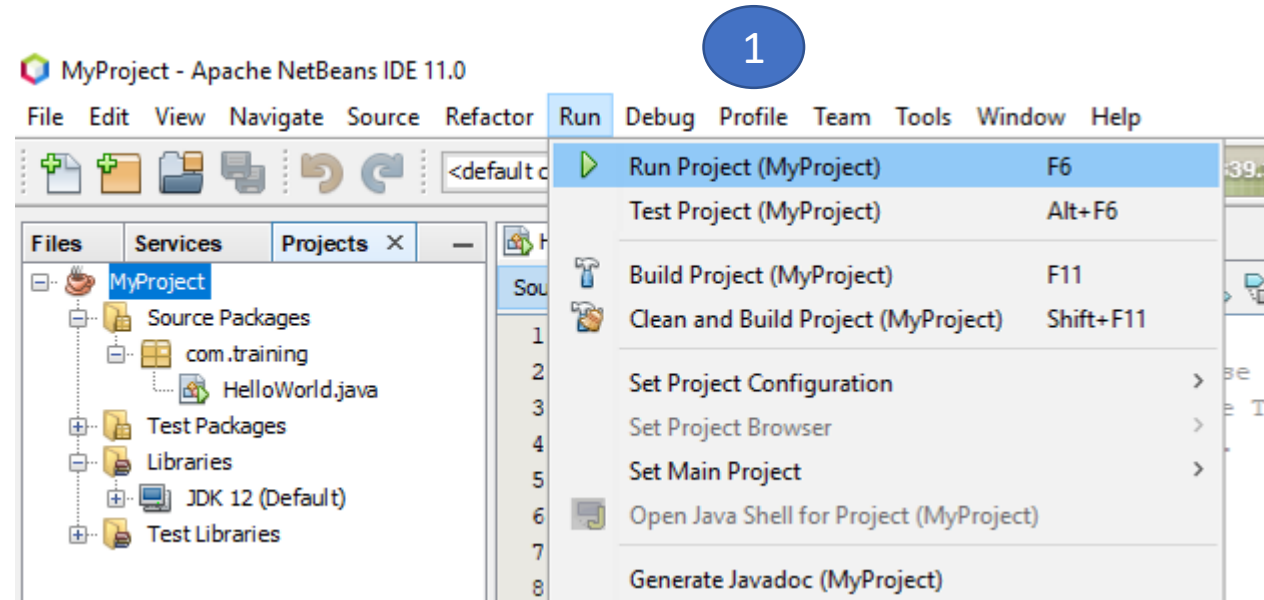
2. A dialog box will pop up. By default, **com.training.HelloWorld** is selected. Click on **OK**.

Note: This will generate the MANIFEST.MF file with the instruction:
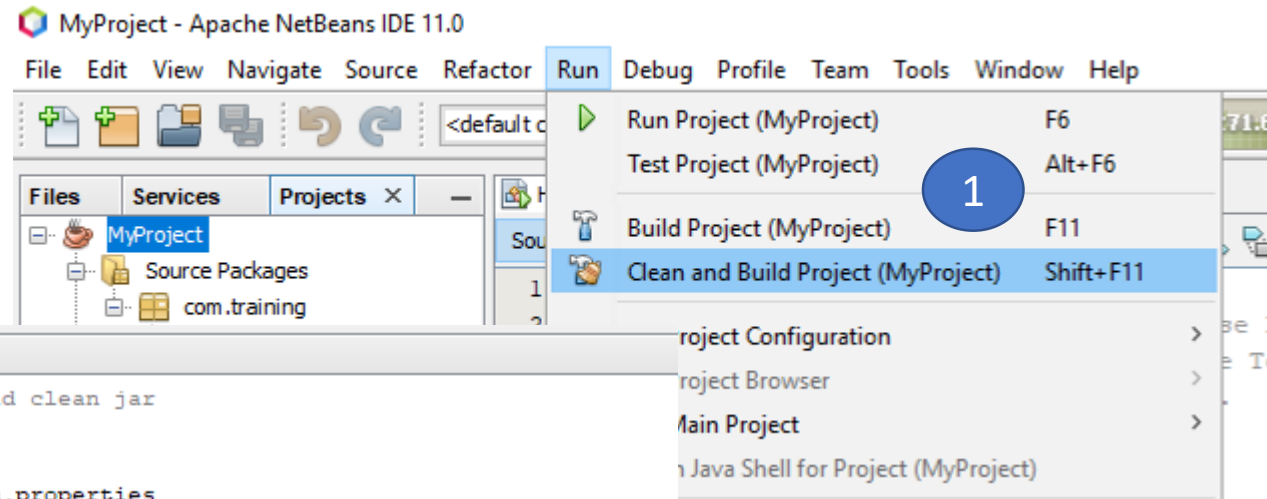
Main-Class: com.training.HelloWorld

3. Observe the Output window below:

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Build and Deploy the Project (1/2)

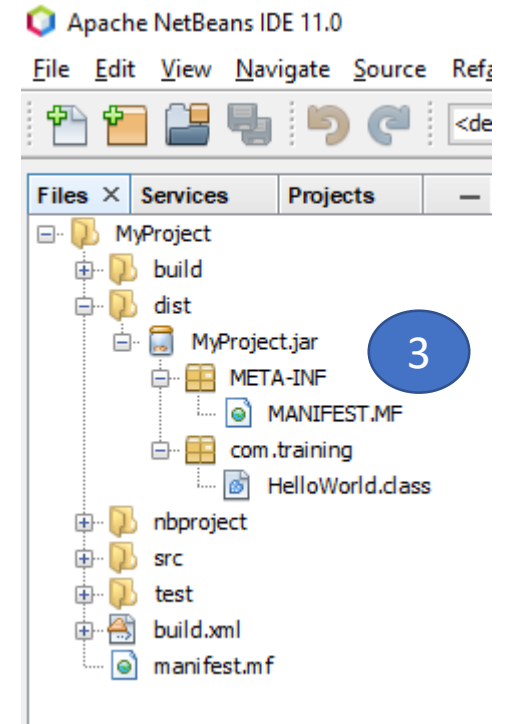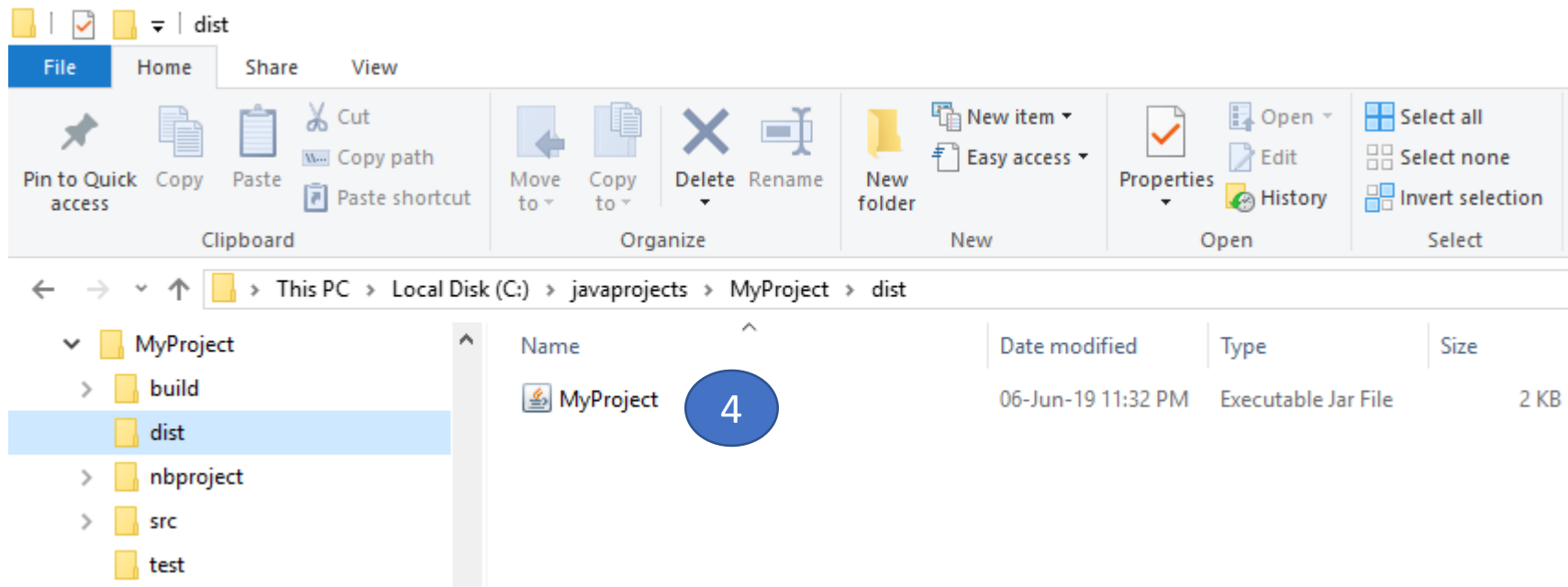1. From the **Run** pull down menu, choose **Clean and Build Project (MyProject) Shift + F11**

2. Observe the Output window

Build and Deploy the Project (2/2)

3. Click on the **Files** tab, expand the **dist** folder. There is a .jar file called **MyProject.jar**, which can be distributed to be run by itself or used by other projects.

4. The file MyProject.jar can be found in Windows Explorer as shown below.

Run the Distribution Java Archive (JAR) Independently (without IDE)

Go to the project distribution folder

Enter command to run the jar file

Program output