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Java Hello World for Beginner with NetBeans IDE

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In this Java tutorial, we're going to show you how to create your first Java program using NetBeans - the official IDE for Java 8. NetBeans is a free and open source Java IDE.

You will be guided to download and install NetBeans IDE. Then create a Java project and write some Java code to print "Hello World" and run the program.

Before installing NetBeans IDE, make sure you installed Java Development Kit (JDK) on your computer first. If not, follow [this tutorial](#) to install JDK.

Watch the video:



1. Download and Install NetBeans IDE

Go to <https://netbeans.org/downloads> to download the latest version of NetBeans IDE. You will see the following page:

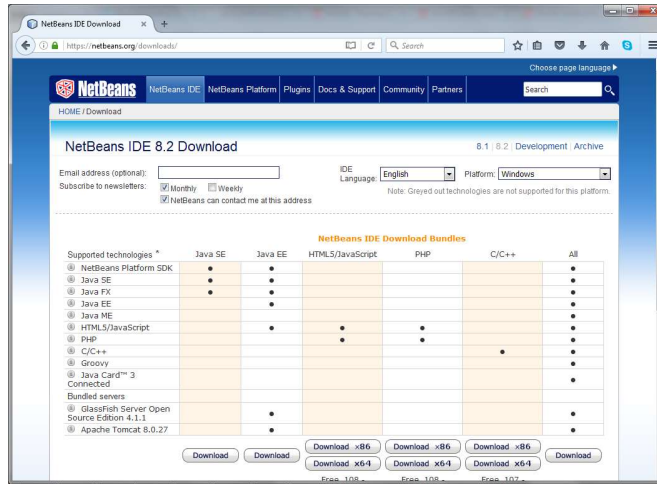
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On this download page you see different download bundles. And for Java development only, we can choose either Java SE or Java EE. We'd recommend you to choose Java EE which supports comprehensive Java development (Java EE includes Java SE).



So click the **Download** button in the column **Java EE** to download NetBeans installer for Java EE development. The file name of the installer program is something like `netbeans-8.2-javaee-win` (on Windows).

Click on the installer file to start installing NetBeans IDE. You will be asked to install GlassFish and Tomcat server:

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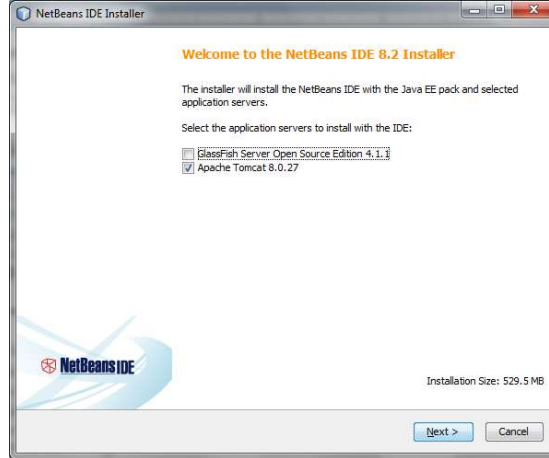
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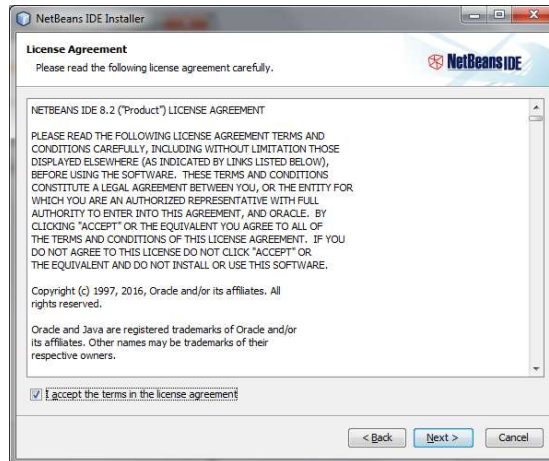
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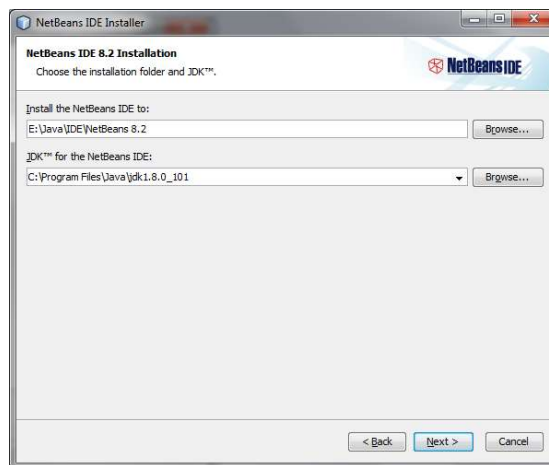
In this tutorial, you don't need any server. However you will need them later so let check both, and click **Next**.

In the next screen, check 'I accept the terms in the license agreement':



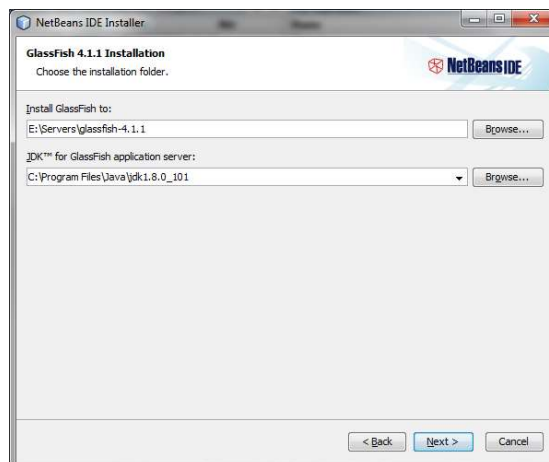
Click **Next**.

In the next screen, choose the installation directory and JDK version for the IDE:



You can keep the defaults and click **Next**.

In the next screen, choose installation directory and JDK version for GlassFish server:



Click **Next** to see the summary:

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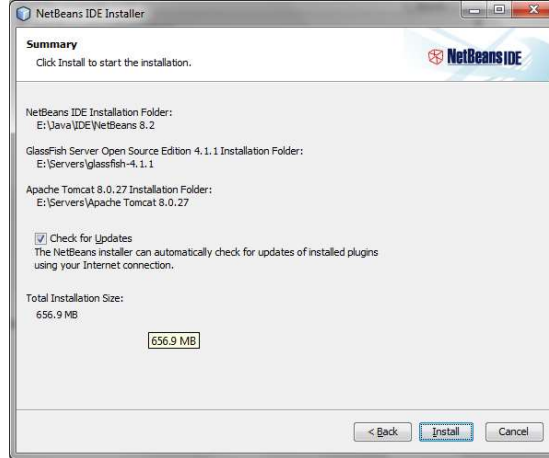
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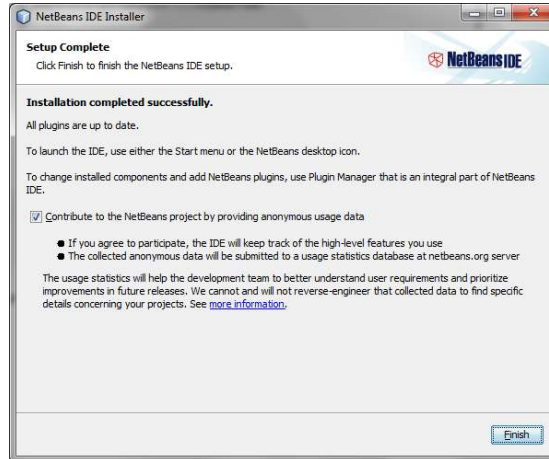
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And click **Install** to start installing NetBeans with GlassFish and Tomcat servers. Wait until the setup complete:

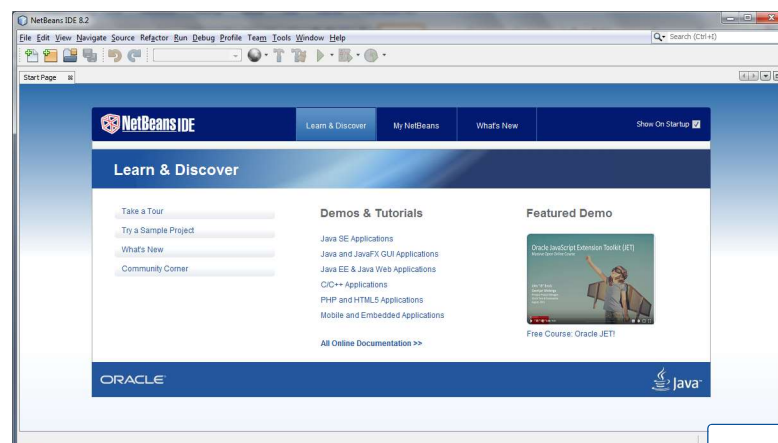


Click **Finish**.

Now you can start NetBeans IDE from the start menu. The splash screen appears:



And you should see the home screen of NetBeans:



2. Create Your First Java Project

Now, let's create a Java project using NetBeans IDE. Go to menu **File > New Project...**

Under the *New Project* dialog, choose Java application as shown in the following screenshot:

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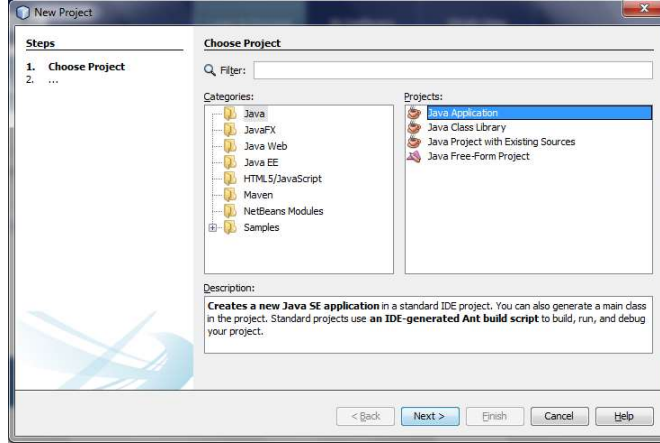
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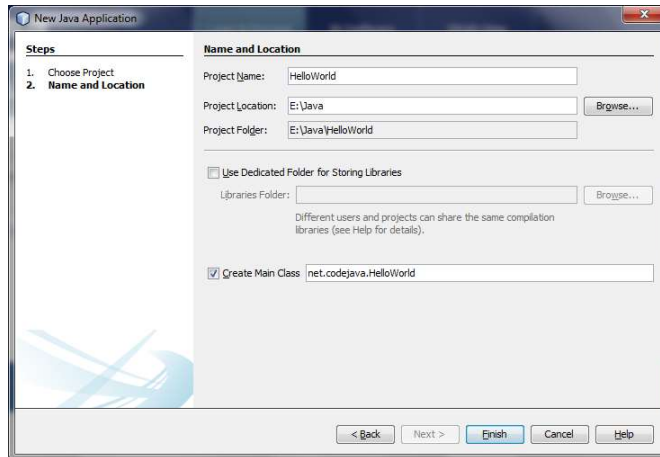
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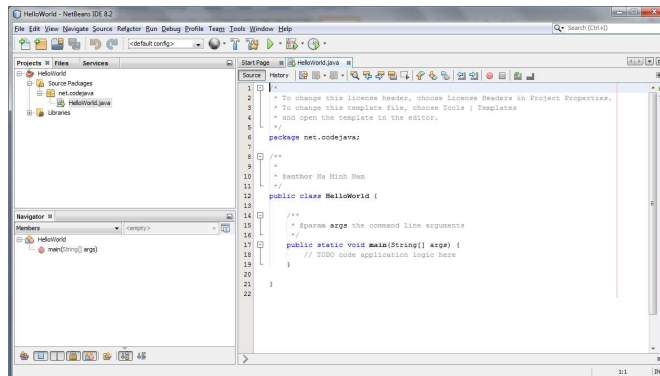


Click **Next** to advance to the next step. In the *New Java Application* screen, type Project Name, specify Project Location and the main class:

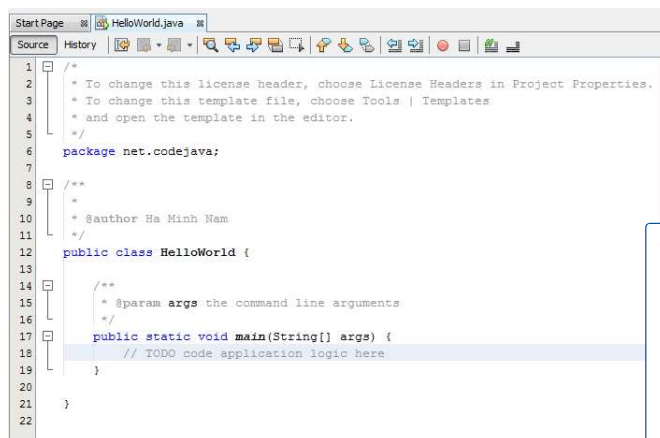


Note that we check the option *Create Main Class* to generate the main class for the application. Here we specify the package name `net.codejava` before the class name `HelloWorld`.

Click **Finish**. NetBeans create the project with a main class very quickly:



You can see a code editor for the `HelloWorld.java` file as shown in the following screenshot:



```
1 | System.out.println("Hello World Java!");
```

The whole program should look like this:

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