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How to Download and Install NetBeans

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This instruction is for Windows machines only.

A good IDE (Integrated Development Environment) helps us with common activities of writing programs: editing, building, and debugging. NetBeans is a very popular open-source IDE. We will use NetBeans as the IDE in this course.

Step 1: Download NetBeans

- Download NetBeans from
<https://netbeans.apache.org/download/nb124/nb124.html>

Select the following installer for Windows:

Apache-NetBeans-12.4-bin-windows-x64.exe

After successful download, an executable file

"Apache-NetBeans-12.4-bin-windows-x64.exe" shall appear in your computer's "Downloads" folder.

Step 2: Install NetBeans

- Double-click on **"Apache-NetBeans-12.4-bin-windows-x64.exe"** in "Downloads" folder to start the installation process
- Click on "Install Now" to complete the installation process

Step 3: Launch NetBeans

When launching NetBeans for the first time, it may ask to activate Java SE. Follow the prompt to activate Java SE.

Step 4: Create a New Java Project in NetBeans

For each Java application, you need to create a "project" to keep all the source files, classes and relevant resources.

- From "File" menu ⇒ Choose "New Project...".
- The "Choose Project" dialog pops up ⇒ Under "Categories", choose "Java with Maven" ⇒ Under "Projects", choose "Java Application" ⇒ "Next".
- The "Name and Location" dialog pops up ⇒ Under "Project Name", enter "MyFirstJavaProject" ⇒ In "Project Location", select a suitable directory to save your works (or stick to the default) ⇒ Finish.

Step 5: Write a "Hello-world" Java Program

- Right-click on "MyFirstJavaProject"/"Source Packages"/"com.mycompany.myfirstjavaproject" ⇒ New ⇒ Java Class
- The "Name and Location" dialog pops up ⇒ In "Class Name", enter "Hello" ⇒ Delete the content in "Package" if it is not empty ⇒ "Finish".
- The source file "Hello.java" appears in the editor panel. Enter the following codes:

```
public class Hello {  
    public static void main(String[] args) {  
        System.out.println("Hello, world");  
    }  
}
```

- Compile/Build your java project
Select "Hello.java" file => Run => Build Project
- Execute your java file
Right click on "Hello.java" file => Run File
You should see "Hello, world" displayed in the console
- That's all folks!

