A HelloWorld Example Using Eclipse

Step 0:

If Eclipse is not available on your computer, download the Eclipse version that suits your system (check the download links on the right column):

https://www.eclipse.org/downloads/packages/

Unzip the downloaded package, and run eclipse.exe, when you run eclipse for the first time, specify your workspace (where your files will be stored).

Step 1: Create a new Java Project

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

To create a new Java project:

1. Choose "File" menu ⇒ "New" ⇒ "Java project" (or "File" ⇒ "New" ⇒ "Project" ⇒ "Java project").
2. The "New Java Project" dialog pops up.
    1. In "Project name", enter your project name, eg., "`FirstProject`".
    2. Select project location (where to put the project), eg., check "Use default location".
    3. Select "JRE", eg., select "Use default JRE".
    4. In "Project Layout", check "Create separate folders for sources and class files".

    Press "Finish" button.

Step 2: Write a Hello-world Java Program

1. In the "Package Explorer" (left pane) ⇒ Right-click on "`FirstProject`" (or use the "File" menu) ⇒ New ⇒ Package.
2. In the dialog box that pops right in include "FirstProject" as the name while leaving the source folder as it is.
3. Once the package created ⇒ Right-click ⇒ New ⇒ Class.
4. The "New Java Class" dialog pops up.
    1. In "Source folder", keep the project path, eg., "FirstProject/src".
    2. In "Name", enter "`Hello`".
    3. Check "`public static void main(String[] args)`" if you want a main() function within. In this example, yes.
    4. Don't change the rest.

    Press "Finish" button.

5. The source file "`Hello.java`" opens on the editor panel (the center pane). Enter the following codes:

```java
public class Hello {

    public static void main(String[] args) {

        System.out.println("Hello, world!");
    }
}
```

6. Run the program. Right click the editor panel, move mouse to "run as", click "java application", you will see the output in the output panel (the panel under editor panel). Alternatively, you can click the green arrow button on the toolbar.