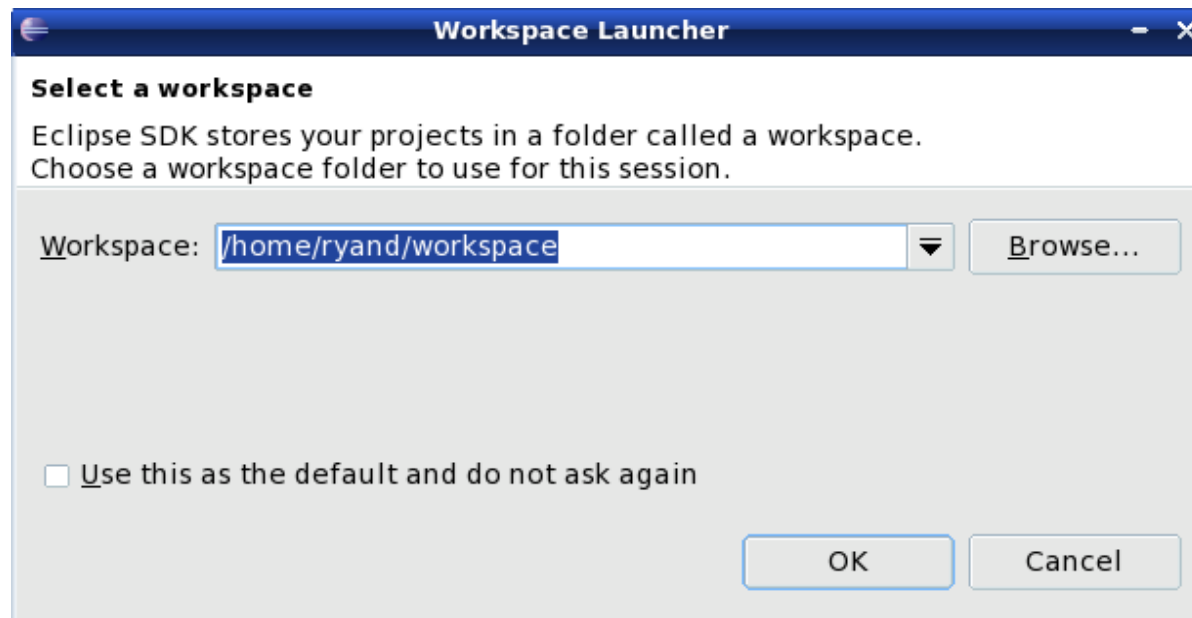
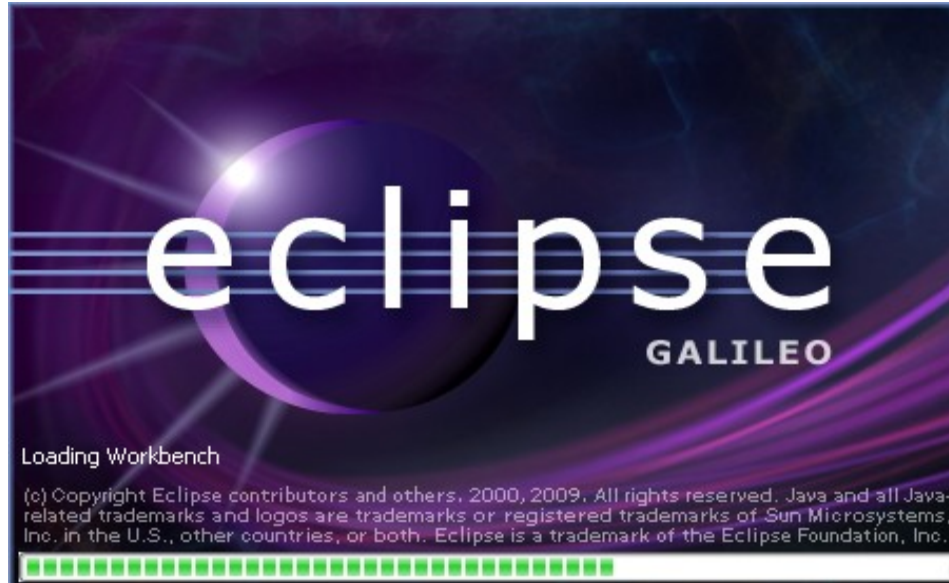


What is Eclipse?

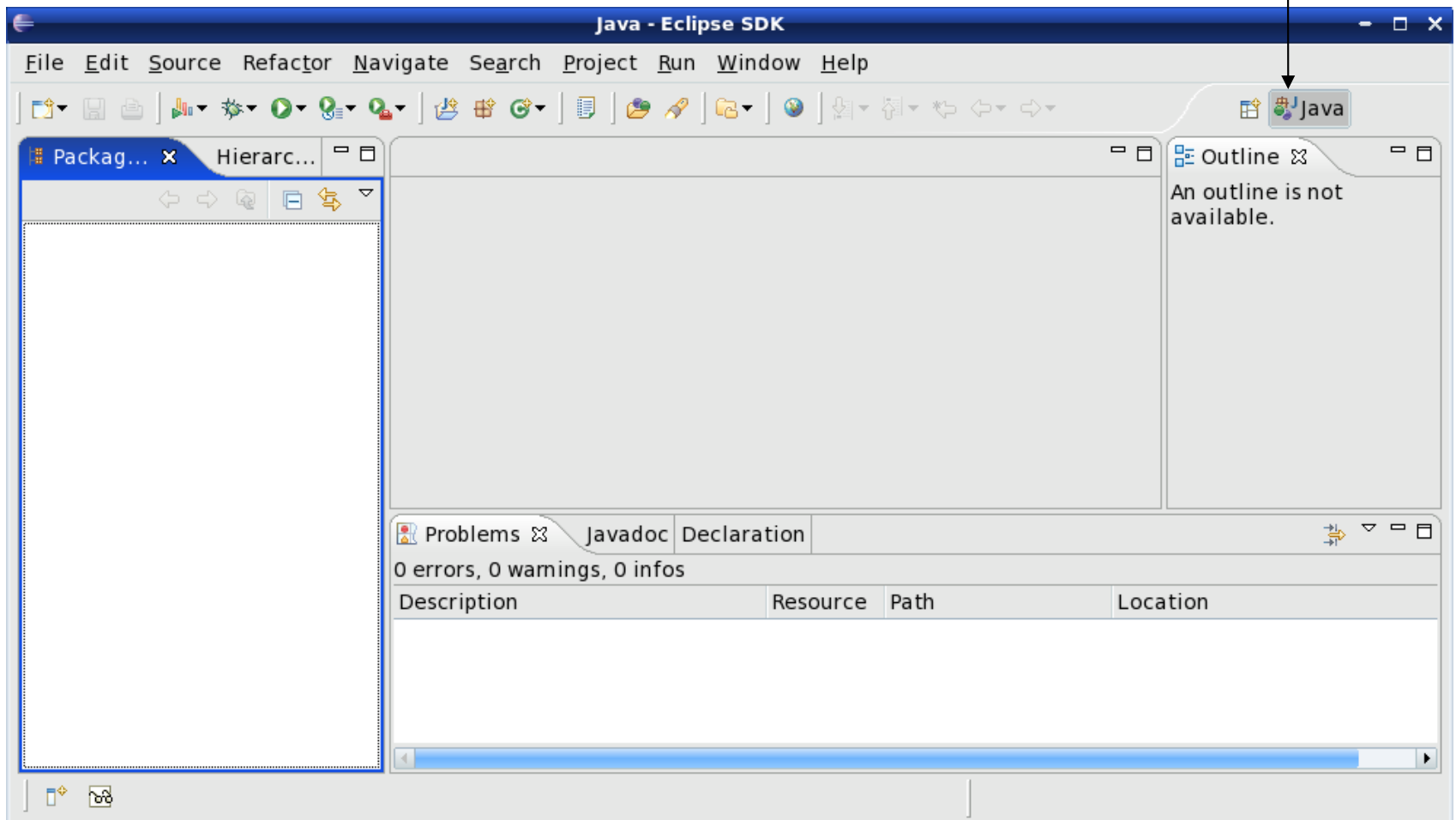
- Eclipse
 - Integrated Development Environment (IDE) that contains an editor, compiler, and debugger among other things
 - Requires a Java Runtime Environment
 - Can develop Java, C, C++, ... programs

Workspace Launcher

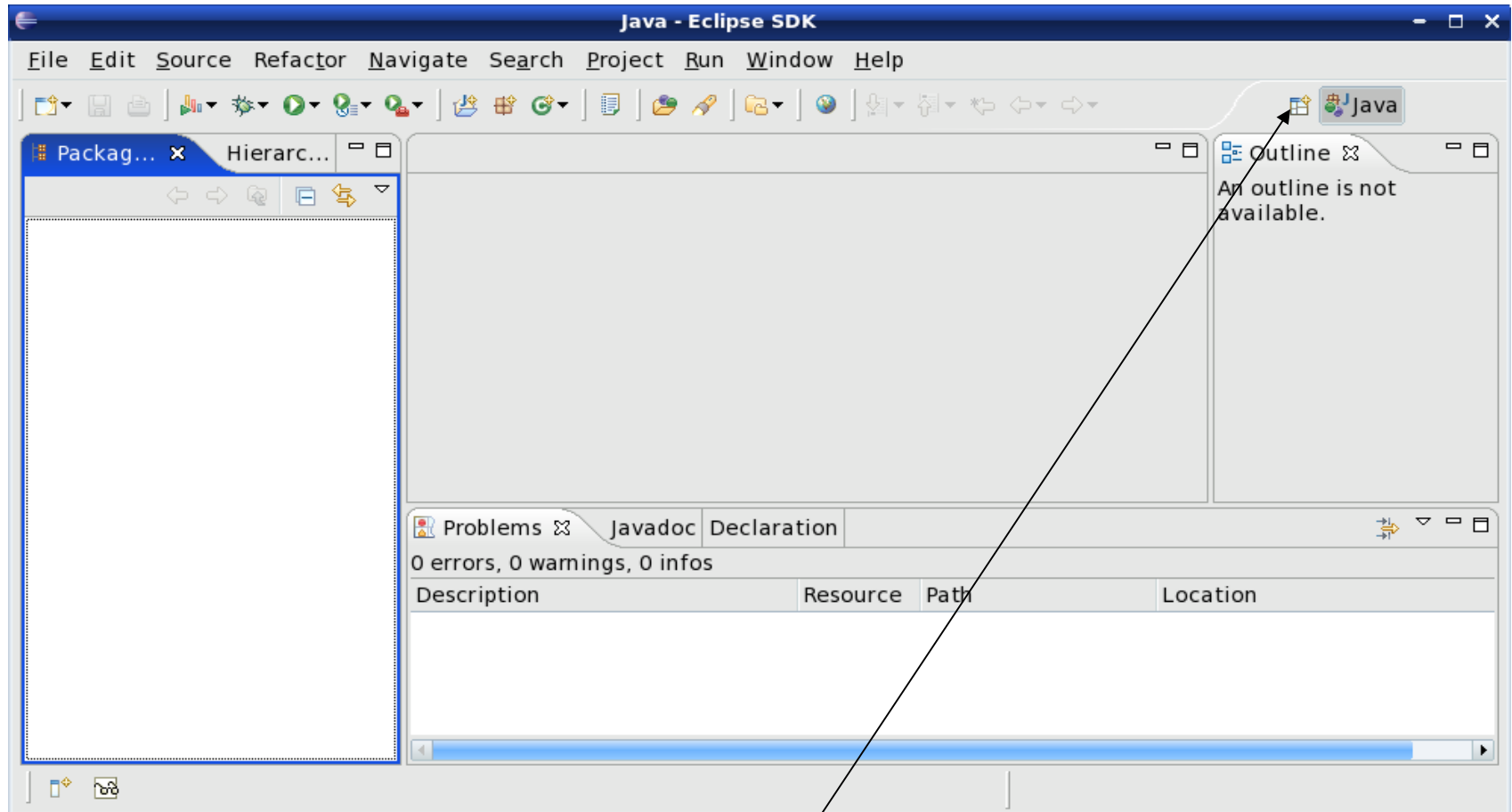


Select the perspective for coding

Make sure the perspective is Java



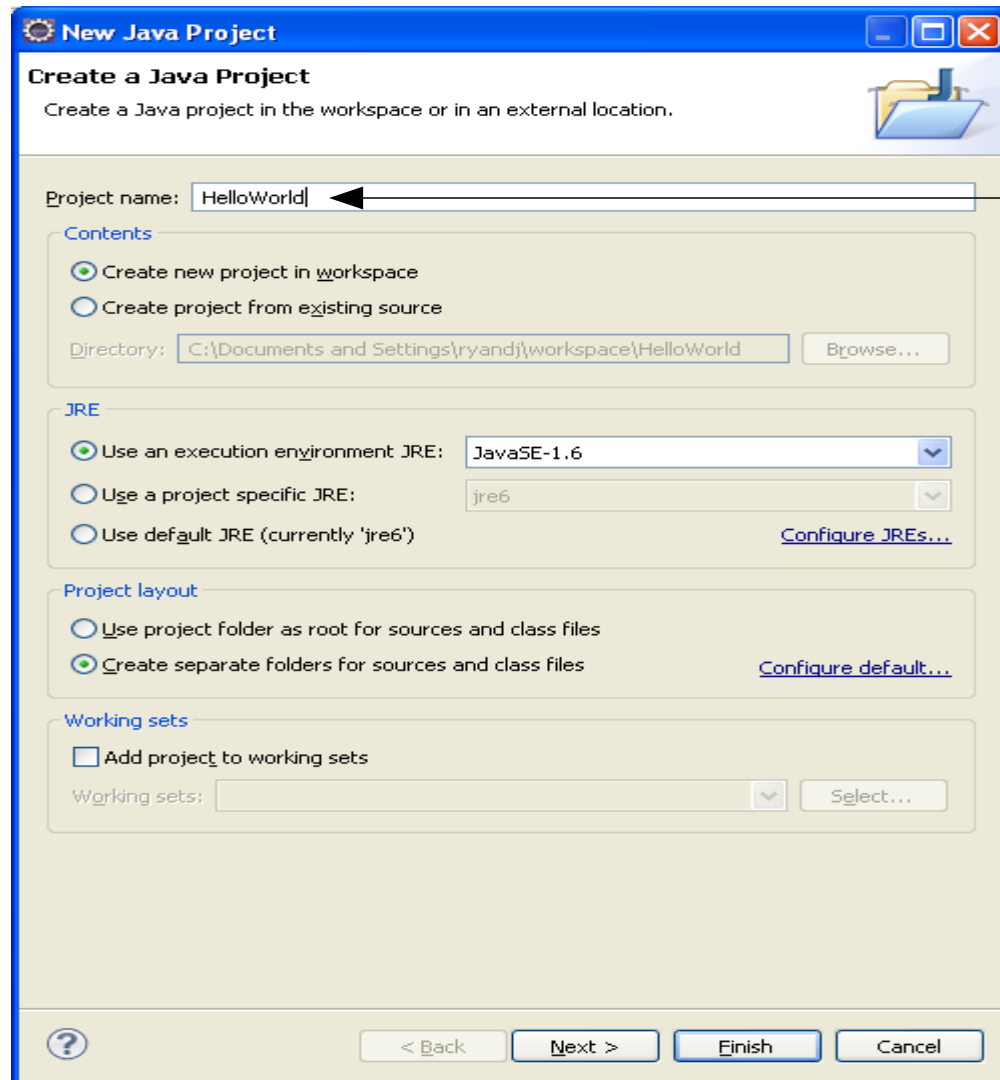
Changing your perspective for coding



Change your perspective by clicking the icon above. Then select Other and finally the perspective you want

Create a new HelloWorld project

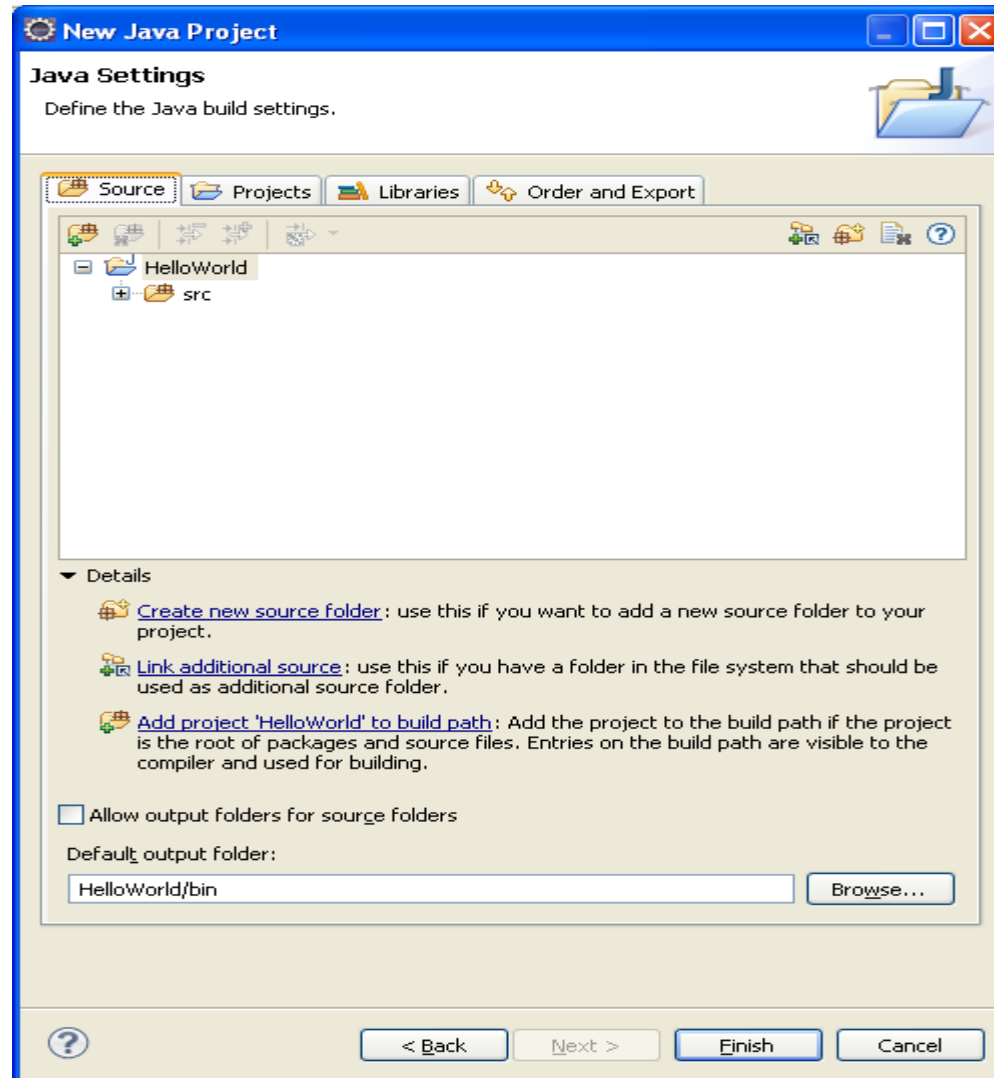
File → New → Java Project



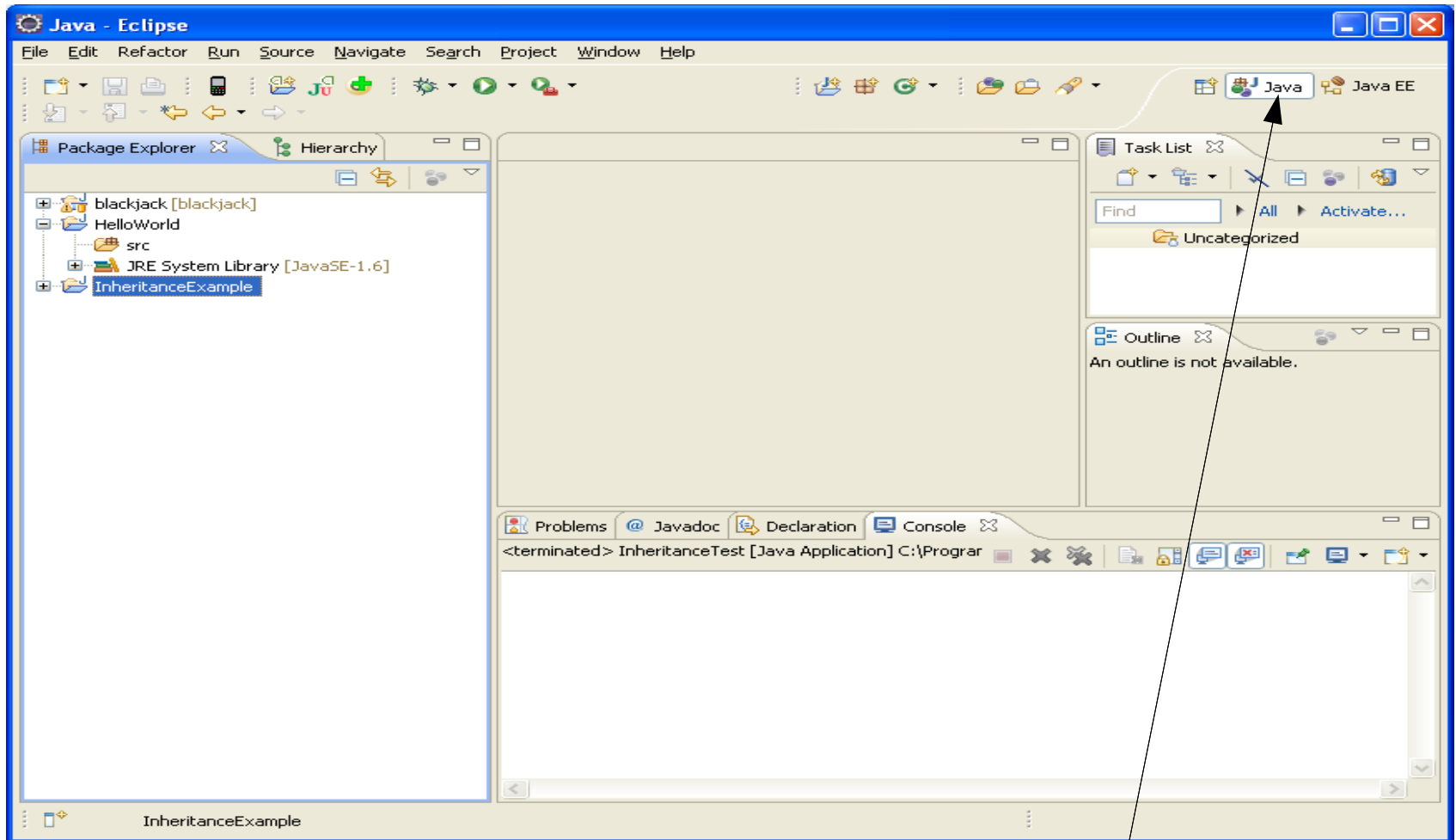
Type in the project name HelloWorld

After clicking the Next button

You can define the build settings

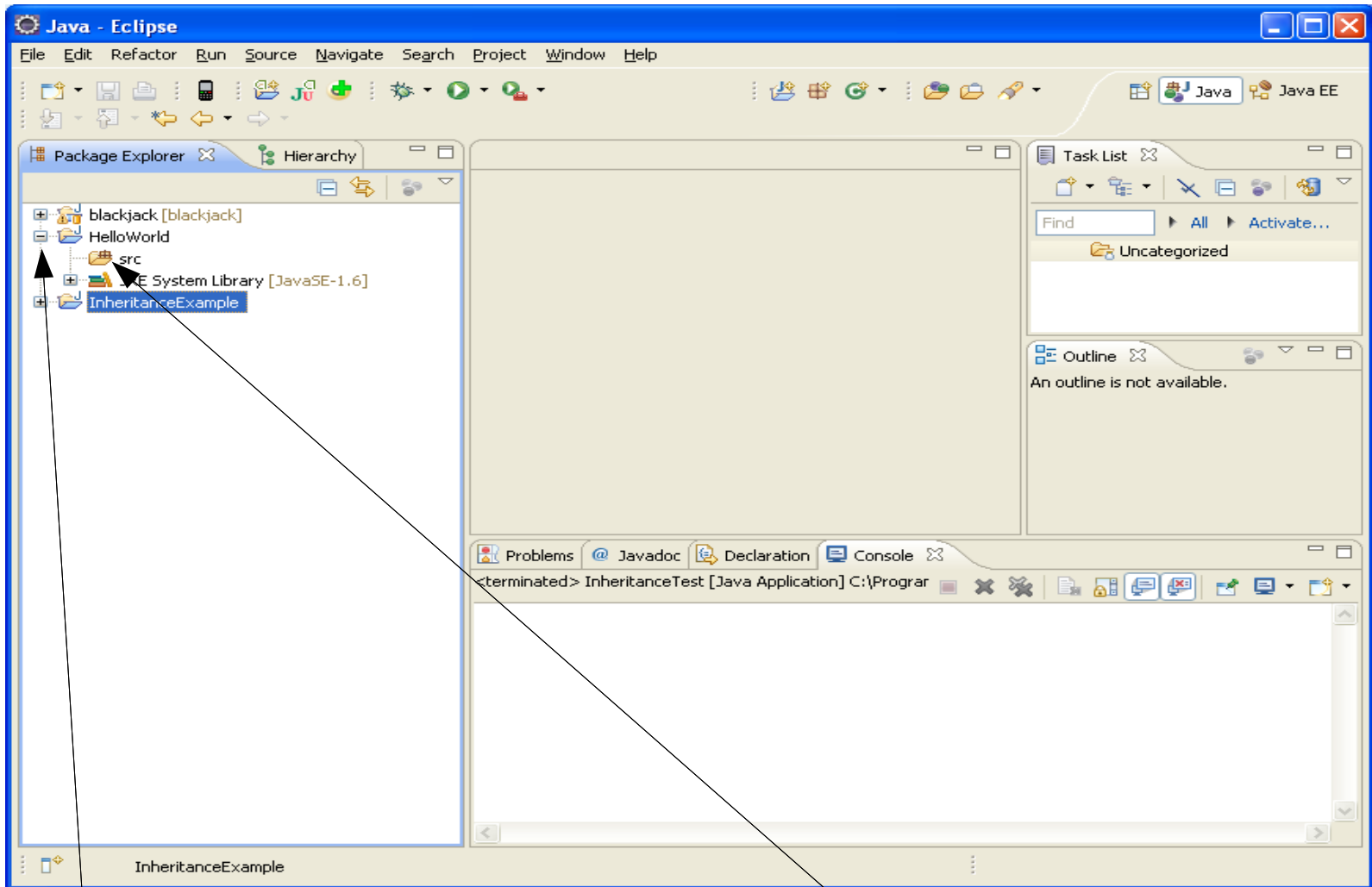


A Hello World project



Make sure your perspective is Java

What's in a new HelloWorld project?



Expand helloworld and see that no source file exists

Create HelloWorld.java?

```
public class HelloWorld
{
    public static void main (Strings[] args)
    {
        System.out.println ("Hello World");
    }
}
```

Right click on src, then New->Class

New Java Class

Java Class
Create a new Java class.

Source folder: HelloWorld/src

Package: (default)

Enclosing type:

Name:

Modifiers: public default private protected
 abstract final static

Superclass: java.lang.Object

Interfaces:

Which method stubs would you like to create?

public static void main(String[] args)
 Constructors from superclass
 Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))
 Generate comments

For now, type HelloWorld in Name and leave Package blank

New Java Class

Java Class
Create a new Java class.

Source folder: HelloWorld/src

Package: (default)

Enclosing type:

Name:

Modifiers: public default private protected
 abstract final static

Superclass: java.lang.Object

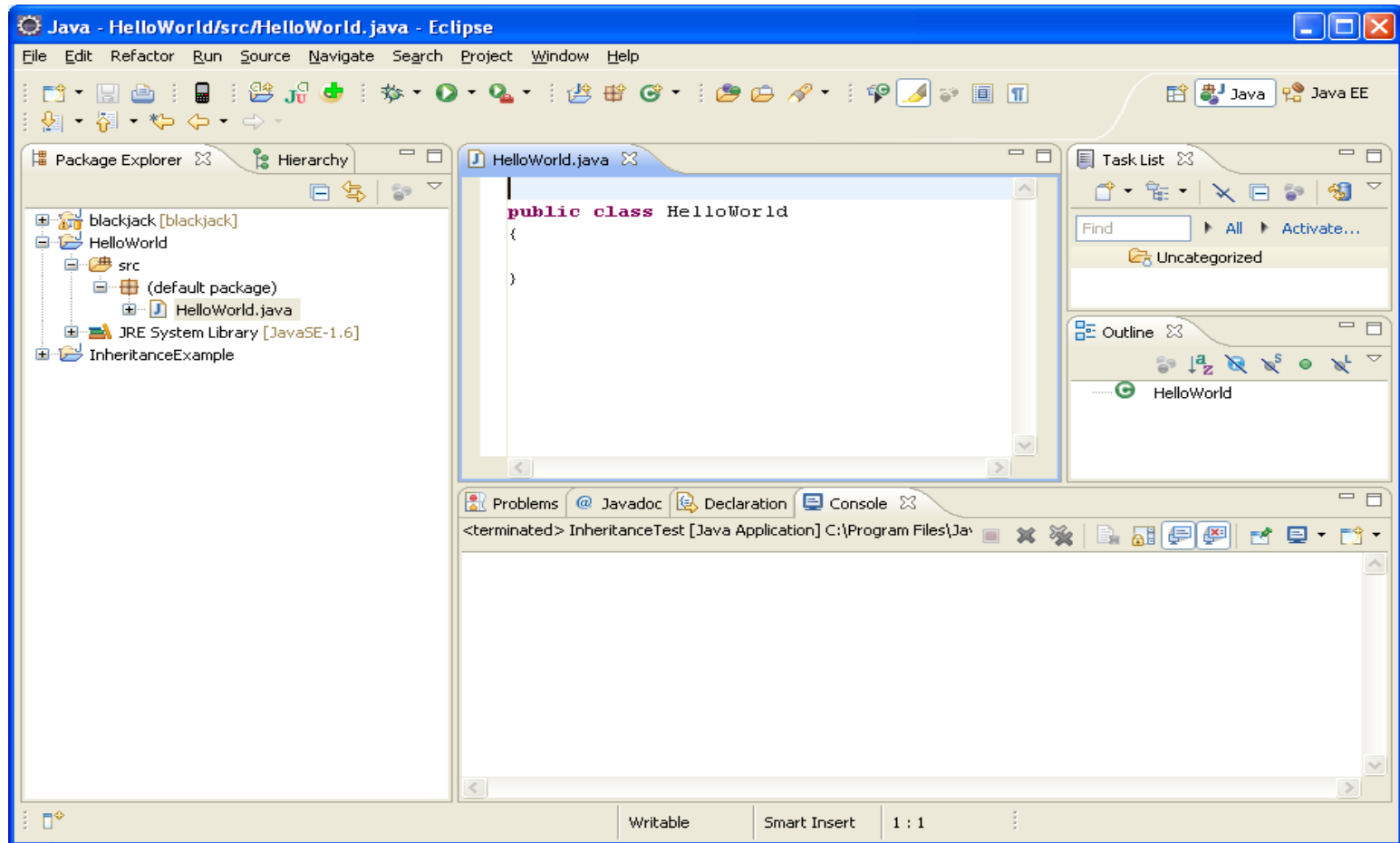
Interfaces:

Which method stubs would you like to create?

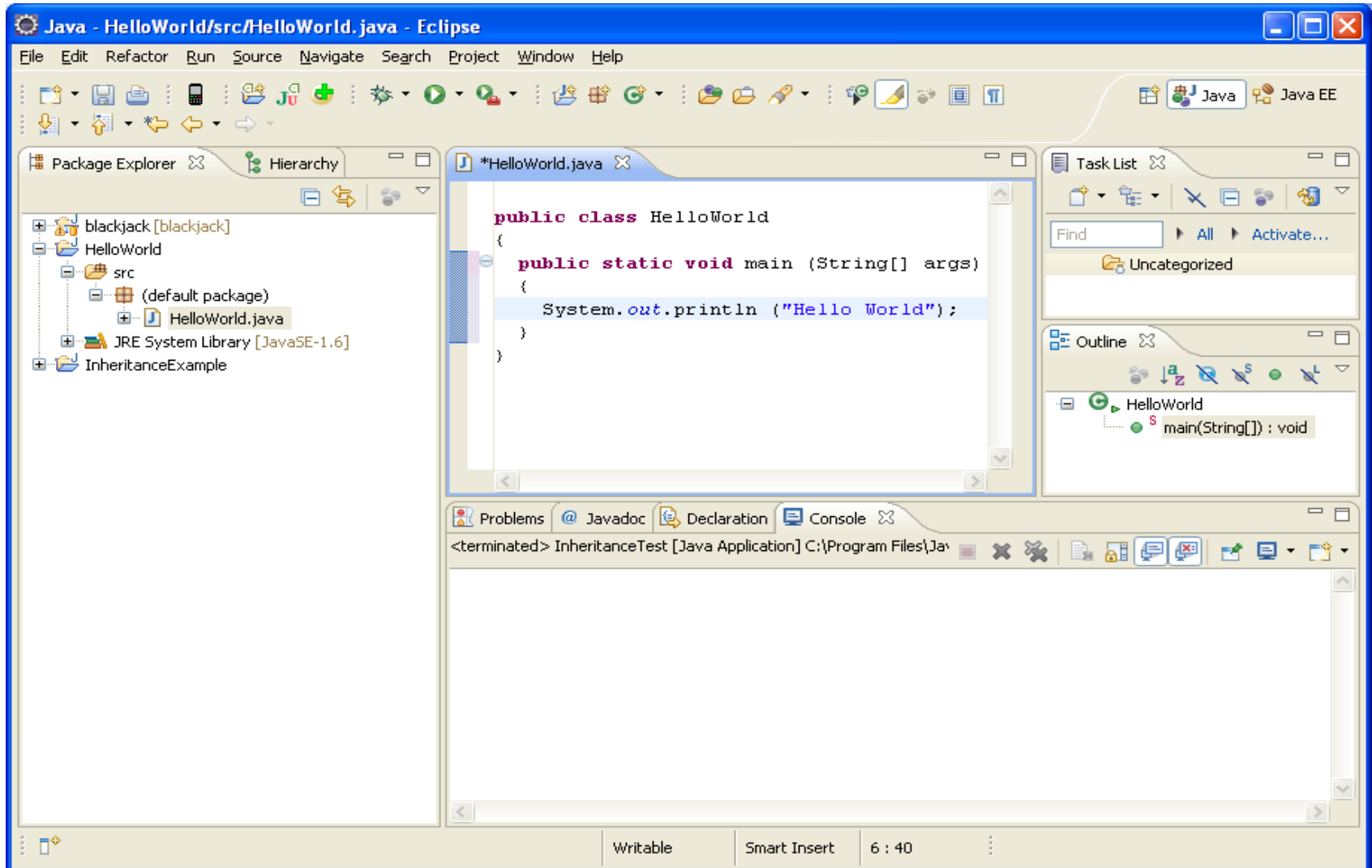
public static void main(String[] args)
 Constructors from superclass
 Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))
 Generate comments

Finish typing in the HelloWorld program



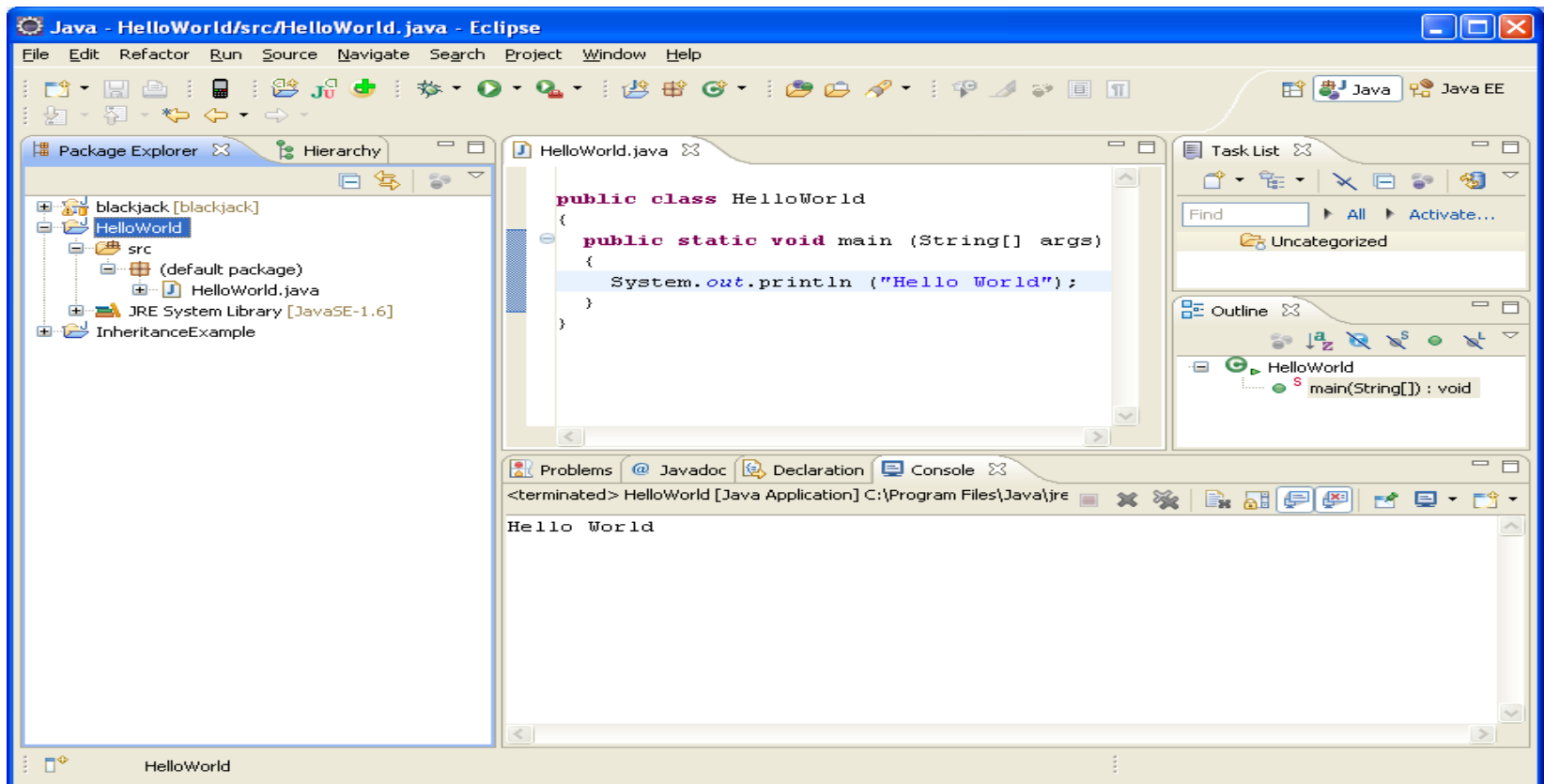
Completed Program



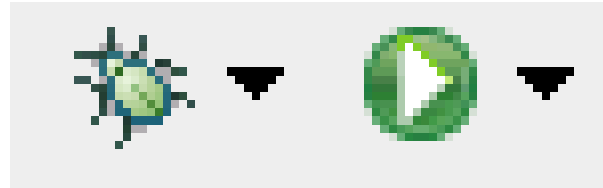
How to run your program?

Make sure the program is saved

Right click on the HelloWorld project icon and Run->Java Application



Run versus Debug



Debug

Run

Printing

- Windows | Preferences
- General | Appearance | Colors and Fonts
- Make any necessary changes

- Print doubled sided!