



# Your “First” Java Program

By

Thilanka Munasinghe  
Android CodeLab  
10/27/2014

## CREATING A CLASS WITH A METHOD AND INSTANTIATING AN OBJECT

This tutorial will guide you to create a Classes with Methods and Instantiating Objects from those Classes. This “GradeBook” example will demonstrate and provides the very required knowledge

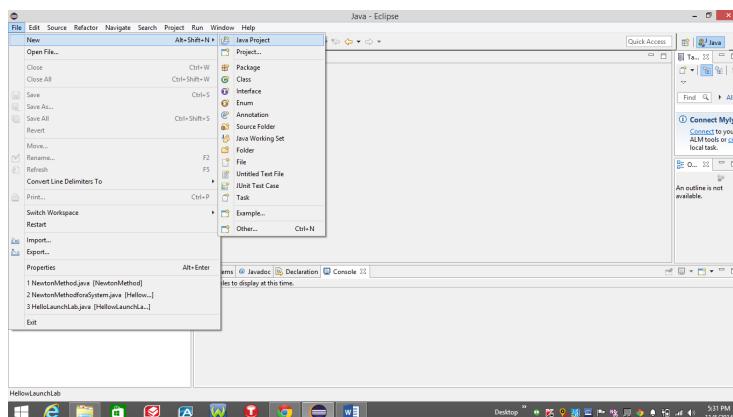
You might be amazed at how useful these essentials down the road and how easy it is to use.

### GradeBook Application

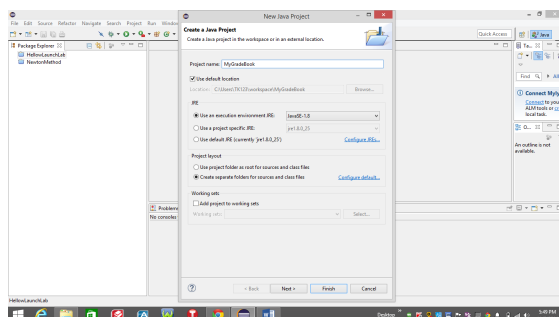
#### Step1.

We need to create a project called “MyGradeBook”.

On Eclipse, go to “File” and create a New Project as shown below,

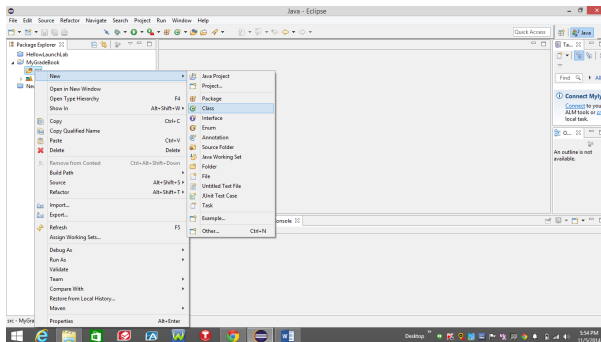


It will open this window, (shown below)

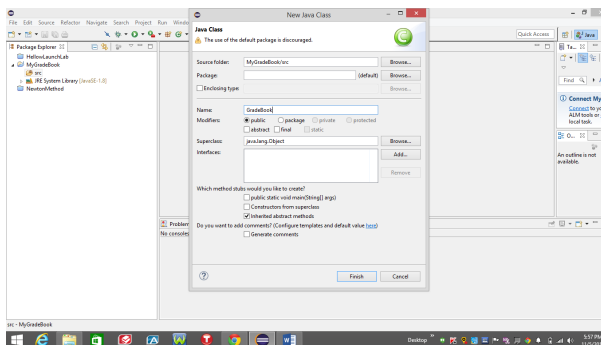


## Step 2.

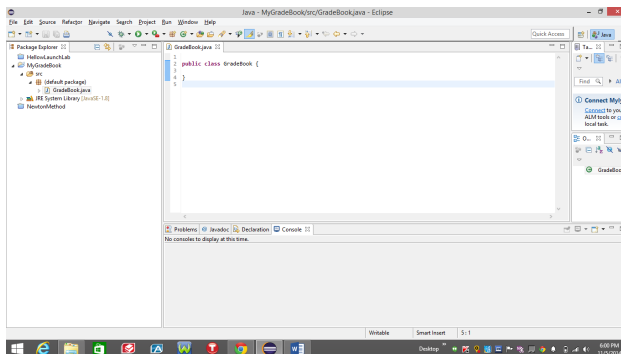
After you have created your MyGradeBook Java project. Create a Class called GradeBook inside the “src” folder. It is shown in the figure below.



(Do not check the option of generating “main void public”). Just create the class.

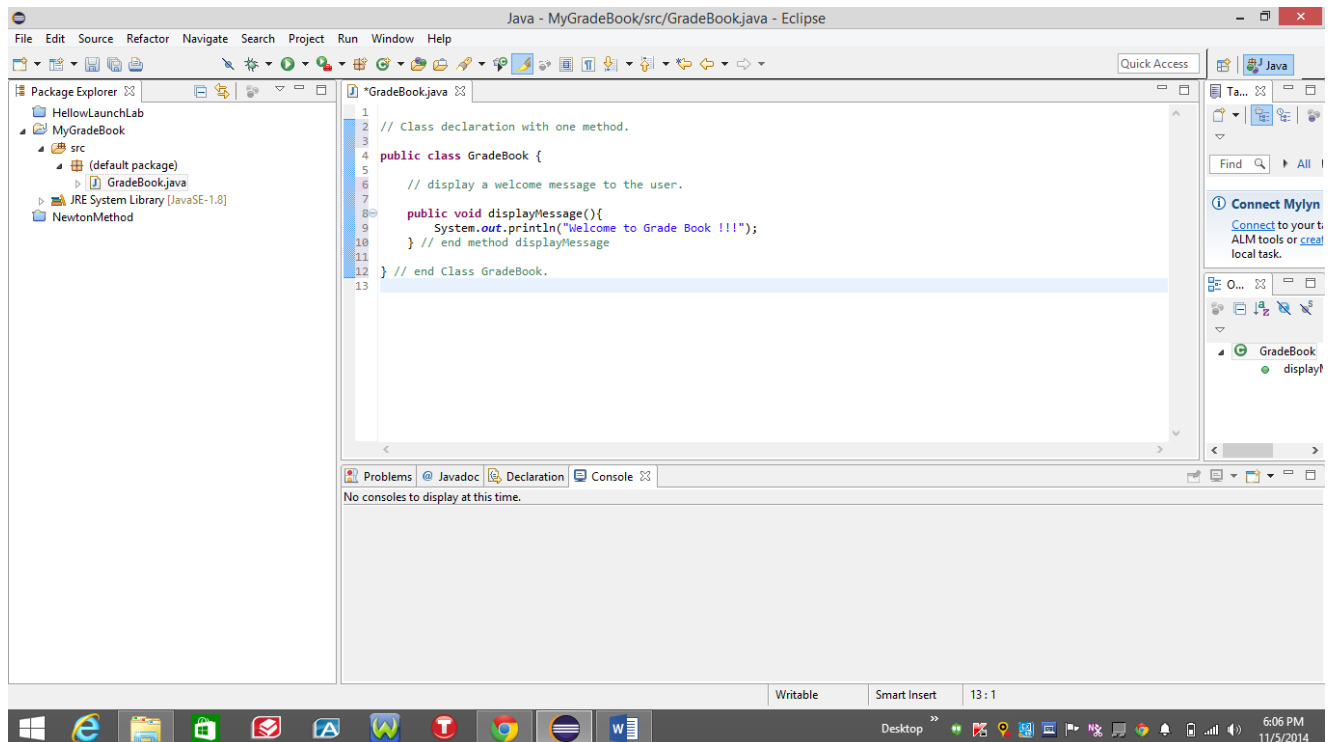


It will be similar to the figure shown below.



### Step 3.

Write the code lines as shown in the figure below to display a welcome message to the user. Make sure to comment to explain what are those line exactly means and do.



```
// Class declaration with one method.

public class GradeBook {

    // display a welcome message to the user.

    public void displayMessage(){
        System.out.println("Welcome to Grade Book !!!");
    } // end method displayMessage

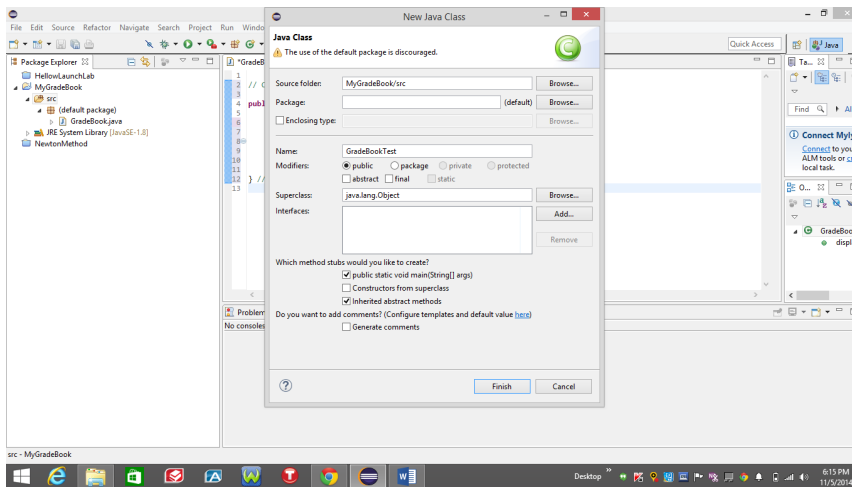
} // end Class GradeBook.
```

Step 4.

Create another new Class called “GradeBookTest” under the same MyGradeBook Java project.

Follow the same instruction on creating the new GradeBookTest Class as we did earlier.

In this new GradeBookTest Class, make sure to select and include the “main” option.



Step 5.

Write the Java codes as shown below on the GradeBookTest Class.

```
// create a GradeBook Object and call its displayMessage method.
public class GradeBookTest {

    // main method begins program execution.
    public static void main(String[] args) {

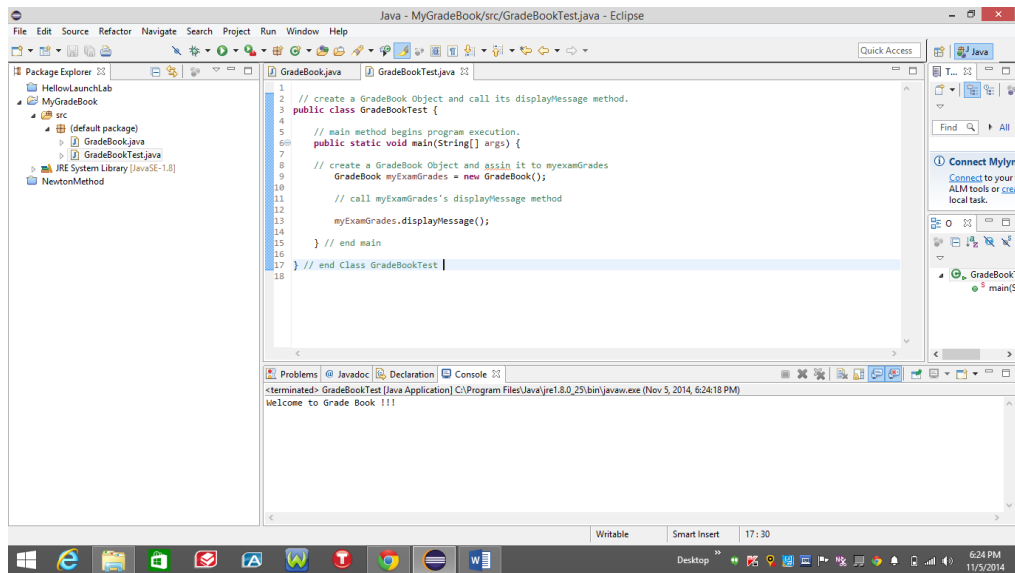
        // create a GradeBook Object and assign it to myExamGrades
        GradeBook myExamGrades = new GradeBook();

        // call myExamGrades's displayMessage method

        myExamGrades.displayMessage();

    } // end main

} // end Class GradeBookTest
```



Step 6.

Run and execute the program. You will see the message displayed on the “Consol Window” below on Eclipse.  
Welcome to Grade Book !!!

Step 7. Change the message and Run the Program.Observ your results

Step 8. Create a new Class and display a different message.