



Getting Started with Eclipse

Download free of charge from
www.eclipse.org

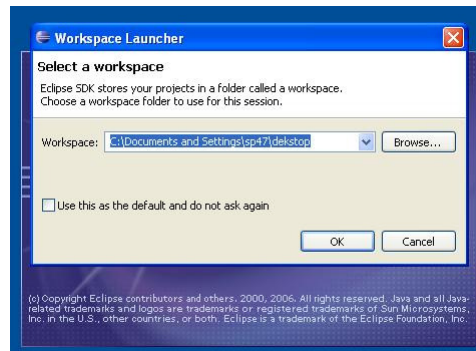


What's Eclipse?

- It is a free software / open source platform-independent software framework for delivering what the project calls "rich-client applications". Eclipse is also a community of users, constantly extending the covered application areas.
- Eclipse was originally developed by IBM as the successor of its VisualAge family of tools.
- Eclipse is now managed by the Eclipse Foundation, an independent not-for-profit consortium of software industry vendors.

Running a program

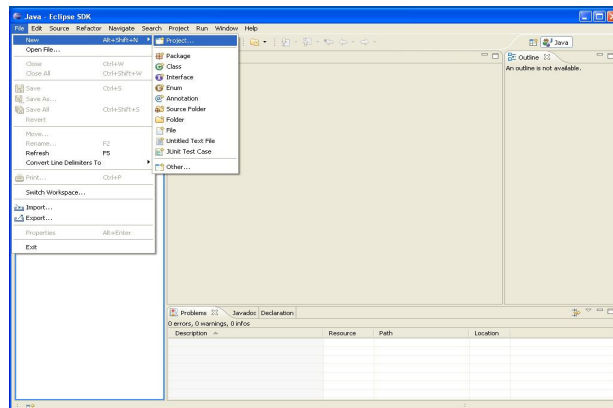
- Step 1: Open Eclipse, choose your workspace



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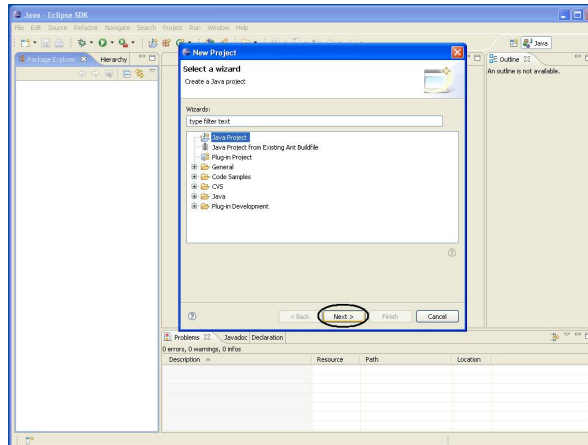
Starting an Eclipse project

- Step 2: In eclipse whenever you want to create a class , you need to select a New Project by default.



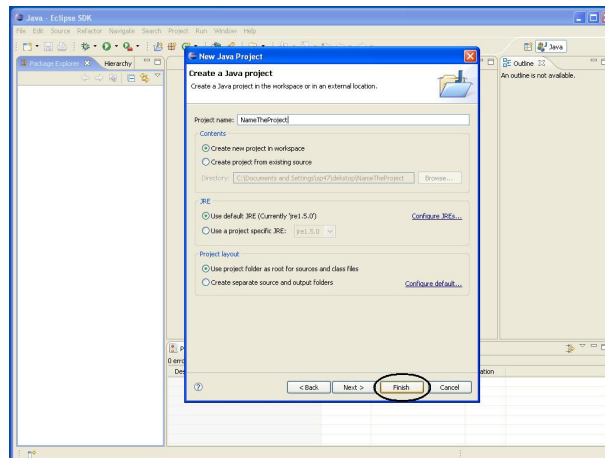
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Step 3: Select *Java Project* and click the *Next* button.



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Step 4: Name the project and click the *Finish* button.



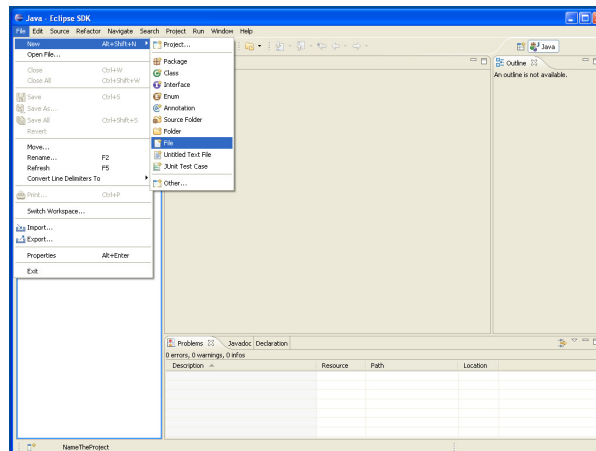
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Creating your code

- You have these choices:
 - Create a file directly
 - Import a file
 - Creating a .jar file
 - Importing a .jar file

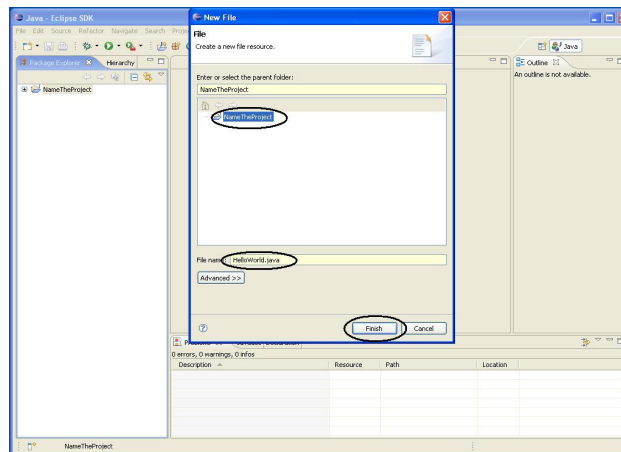
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Step 5: Create a java file by selecting *File, New* and *New File*.



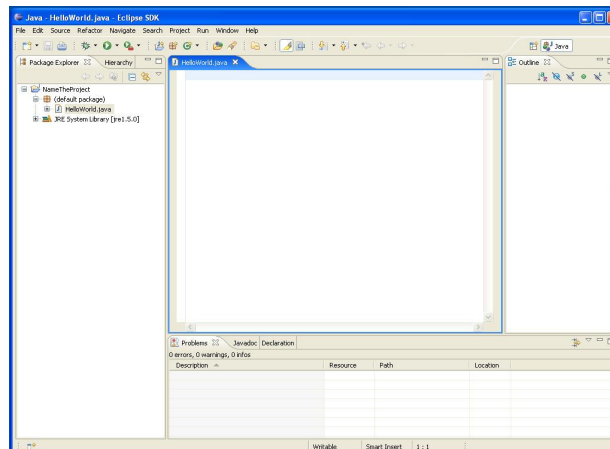
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Step 6: Select the project, name the Java class with extension and click "Finish"



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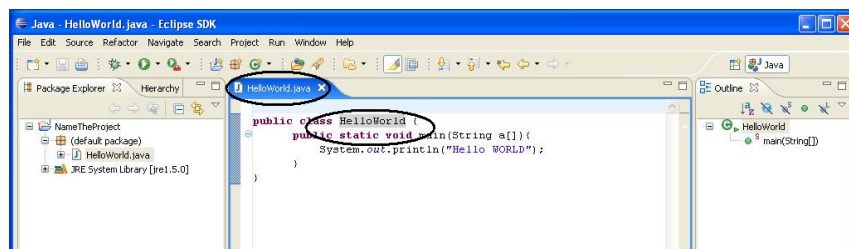
Step 7: Using the java editor, start coding.



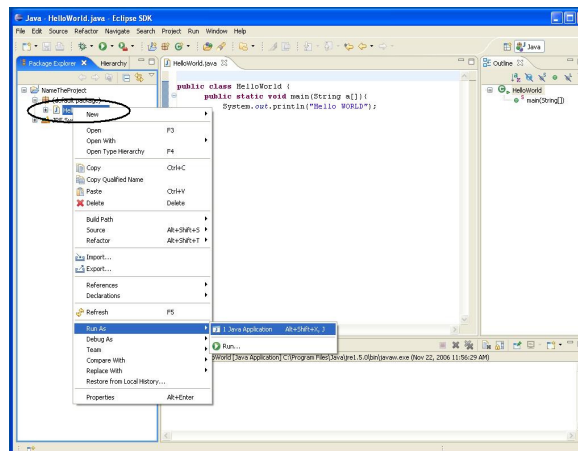
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Writing code

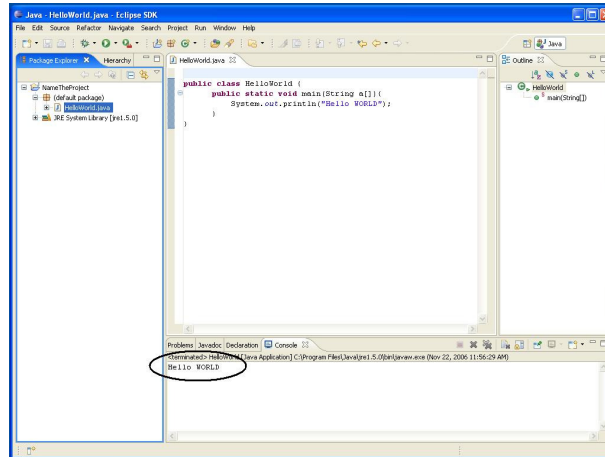
- Step 8: In Eclipse whenever you save the file, it will compile the code by default.
- Basic tip: Class name and the file name are the same.



Step 9: Running the Java class. Right click on the class file and choose *Run*.



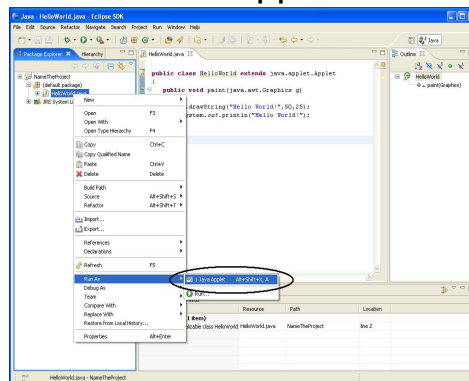
Step 10: Here is the output.



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Running an Applet

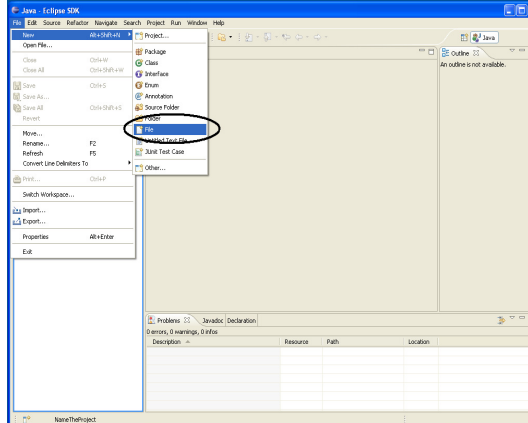
- Creating an applet essentially same as a normal java file. When we try to run it, Eclipse runs the code as a Java Applet.



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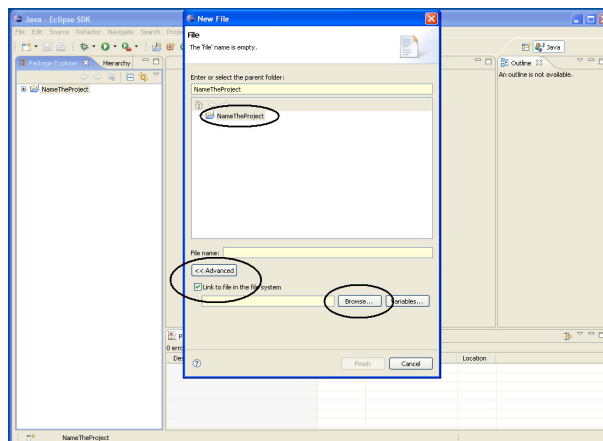
Importing a file into Eclipse

- Step 1: *File* option, choose *Project* and *New File* as shown in the figure below.



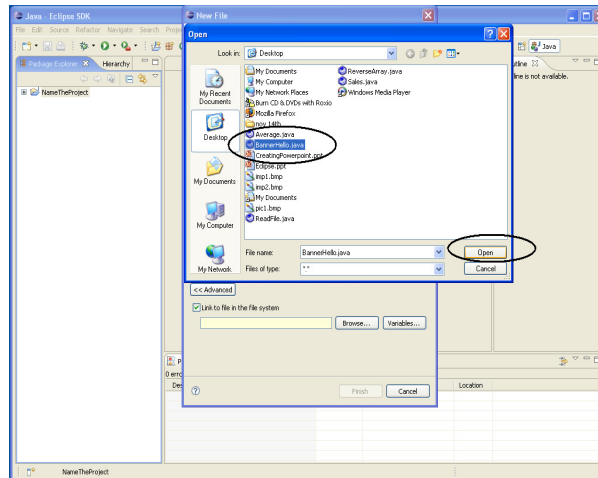
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- Step 2: Select *Project*, choose *Advanced* option, click check box and *Browse*.



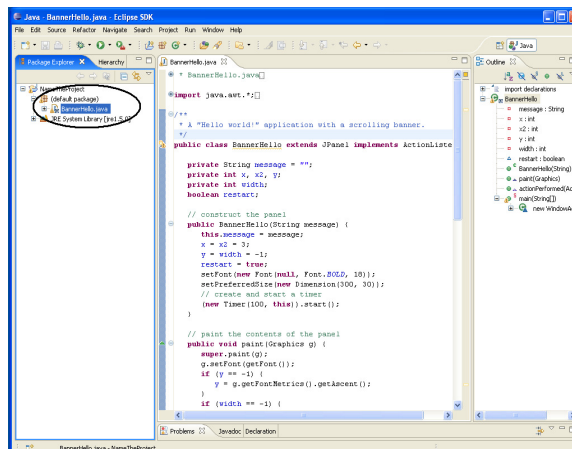
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Step 3: Select your file and *Open* it



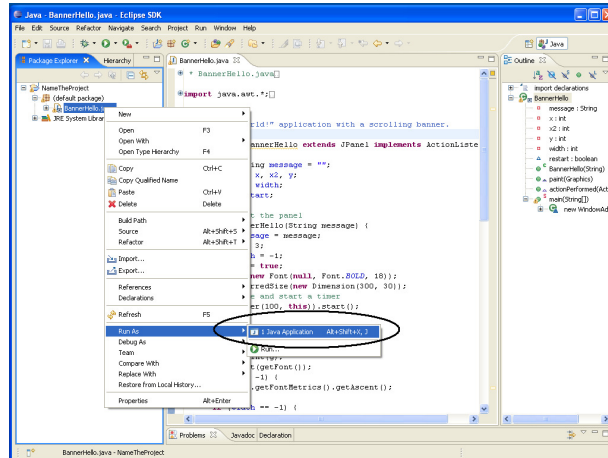
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Imported file is shown in work space and loaded as the *Default Package* of the selected Project.



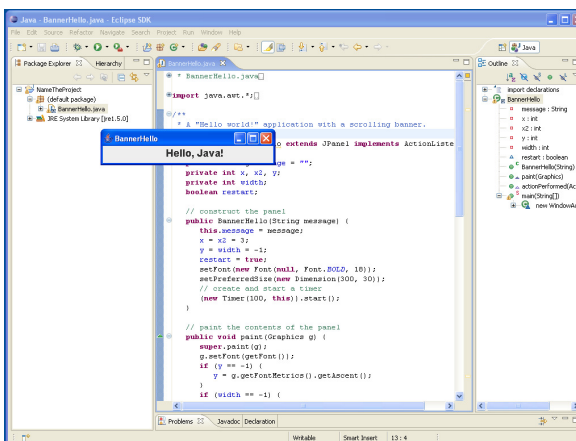
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Step 4: Select the file and run it.



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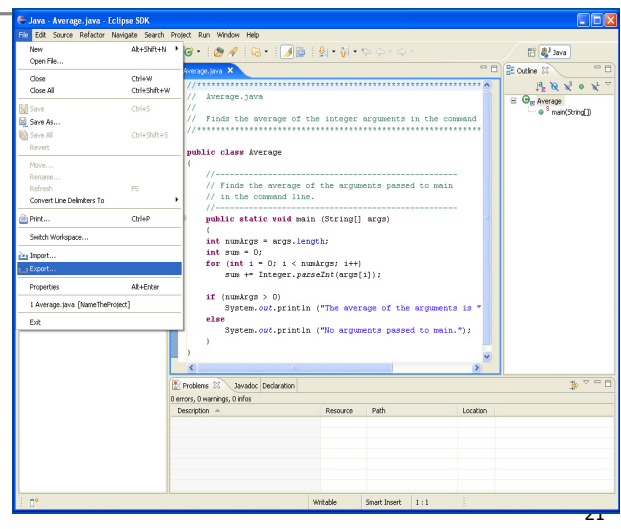
Here is the output of your applet.



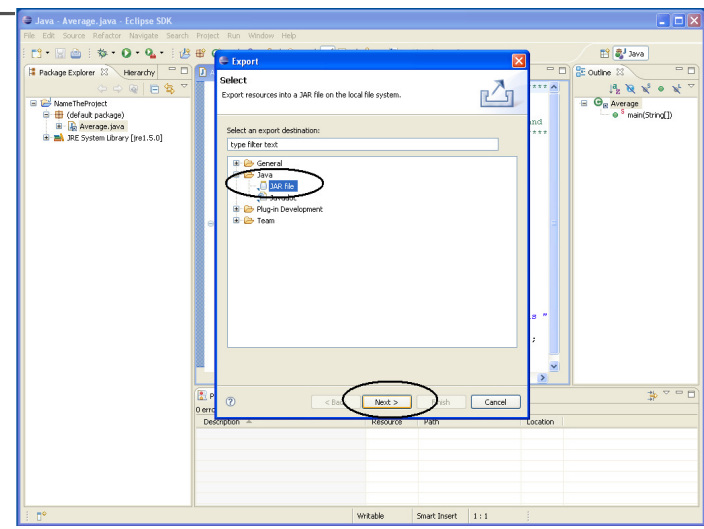
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Creating a .jar file

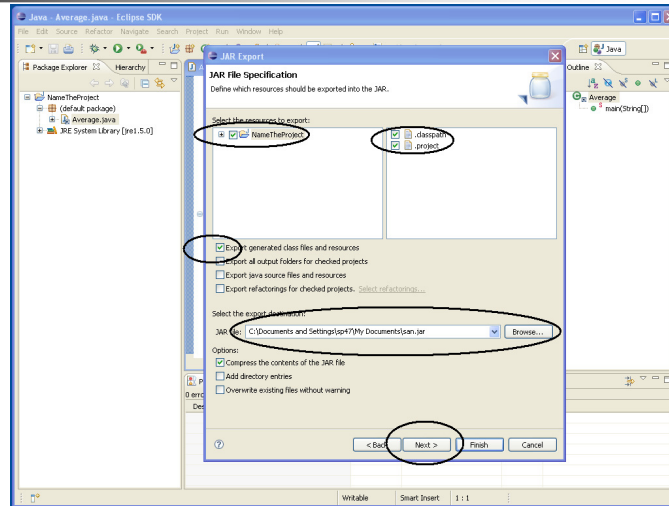
- Step 1: Select 'file' and choose 'export' as shown here



Step 2: Choose *Java* and select *Jar File*, then *Next*.

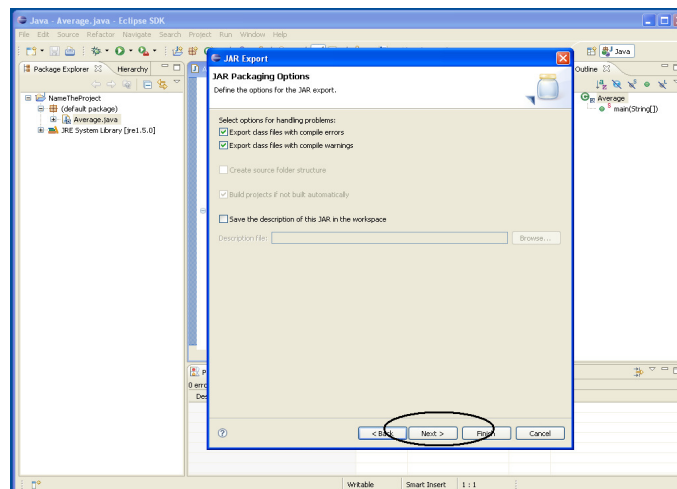


Step 3: Select the *Project* and the *Files* you want to add. Use *Browse* to select your destination file.



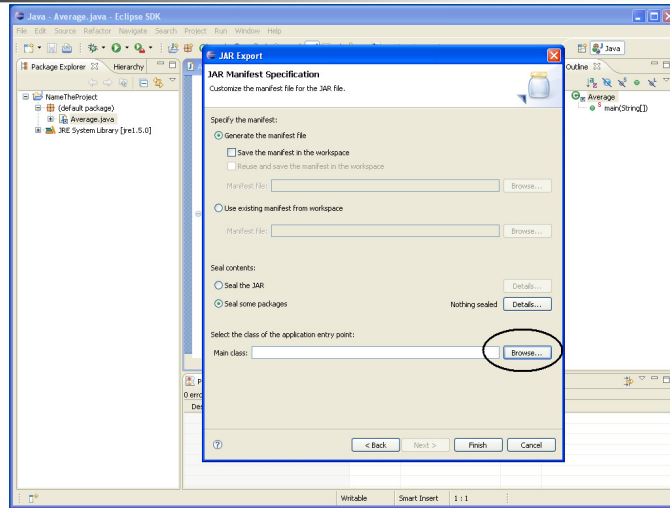
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Step 4: In the JAR Packaging options, the first 2 options are usually enough.



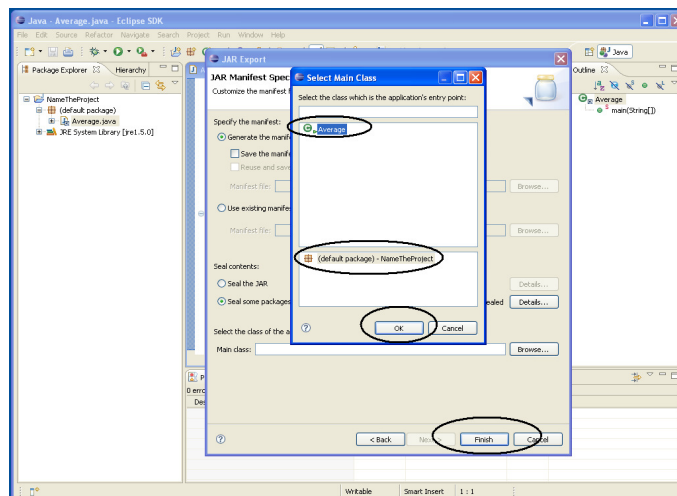
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Step 5: Jar export. The options chosen here are the basics. Then browse and select the class file. Read the headings before selecting the options.



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Step 6: Eclipse by default shows the class files and the projects available. We just need to choose the right one. The jar file is created.

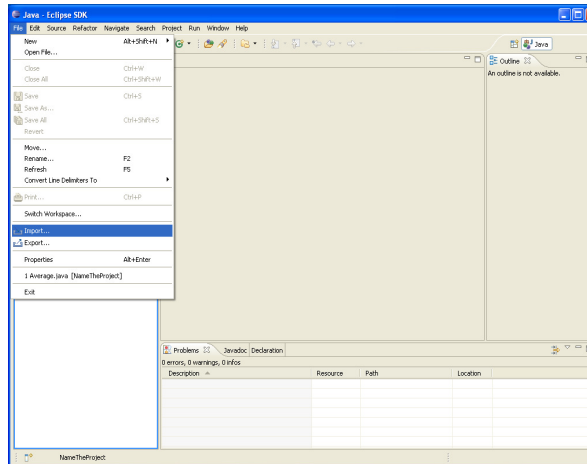


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Importing a .jar file

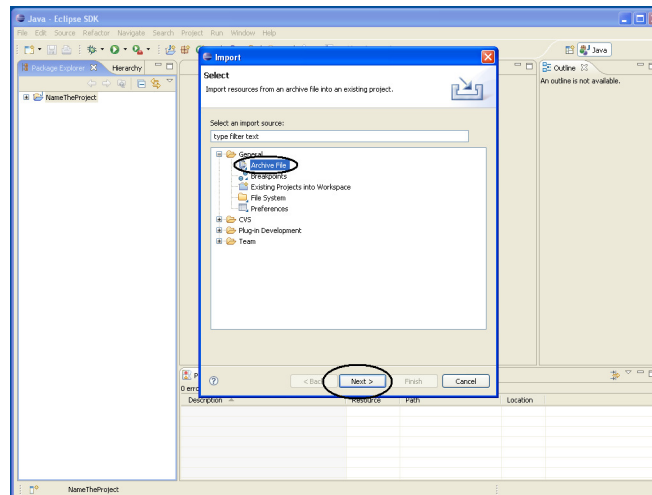
- Step 1: Select the 'file' and 'import' option.



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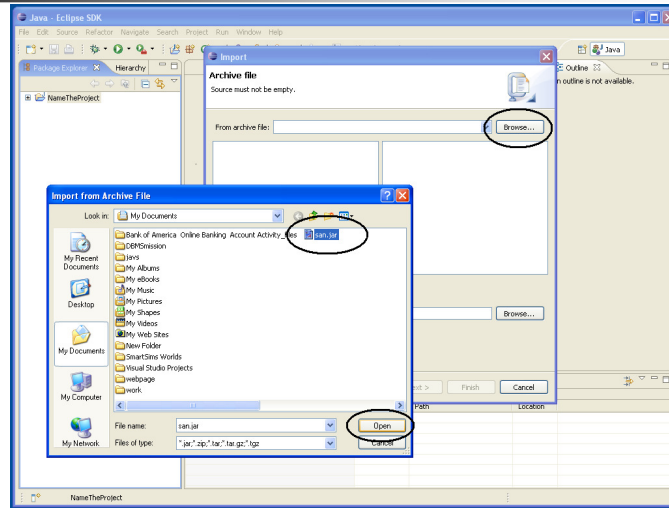


Step 2: Select 'General' and 'Archive File' as .jar file is a file.



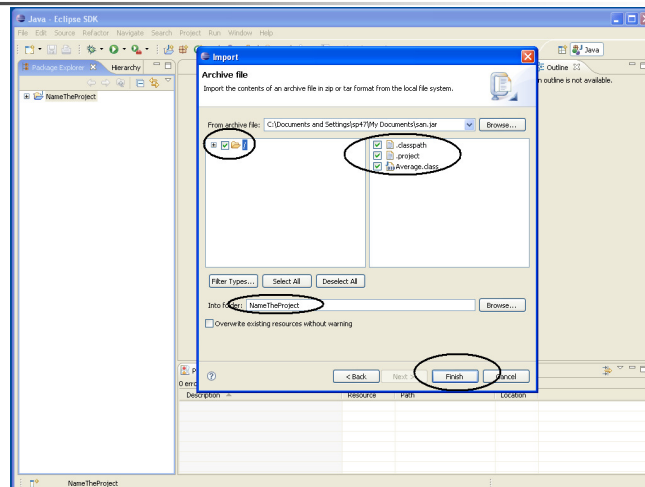
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Step 3: In the Archive file, choose the browse option and then upload your file.



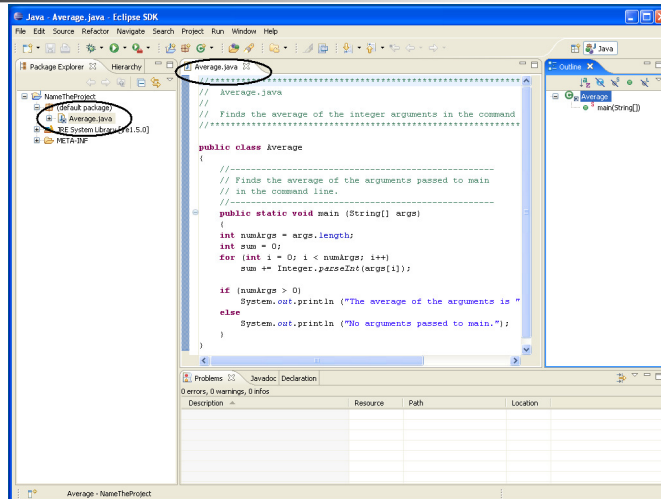
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Step 4: Check the boxes for the directory, files you need and choose the destination folder.



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Step 5: Check the directory where it is placed and the file is ready to access.



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