

A) Set up Dr Java

You need to do this set up of the development environment just once.

Downloading Dr Java

For this class, you can use a program called Dr. Java to edit and run your Java code. You can download it at: <http://drjava.org/>

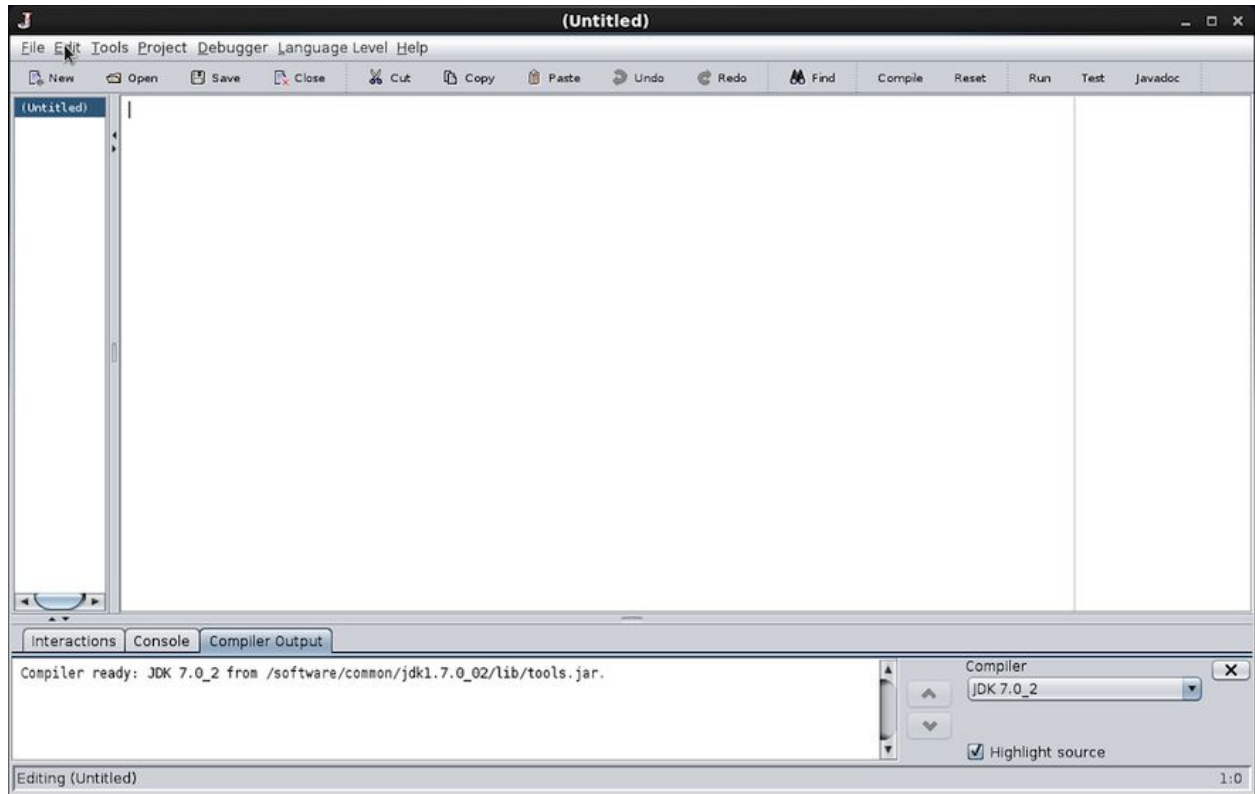


There are 3 options for download. If you are using a CSE lab machine, you should download the Jar file and save it anywhere (but for convenience, it'd be better to save it to the Desktop). There are also options for Windows and Mac machines in case you want to use this program at home. The jar file runs just like an executable on Windows, so no installation is required. Just double-click the Dr. Java file, and the program will open. Alternatively, you may run Dr. Java from the command line using the following command (replace PATH/TO/drjava.jar with the actual Dr. Java path):
`java -jar PATH/TO/drjava.jar`

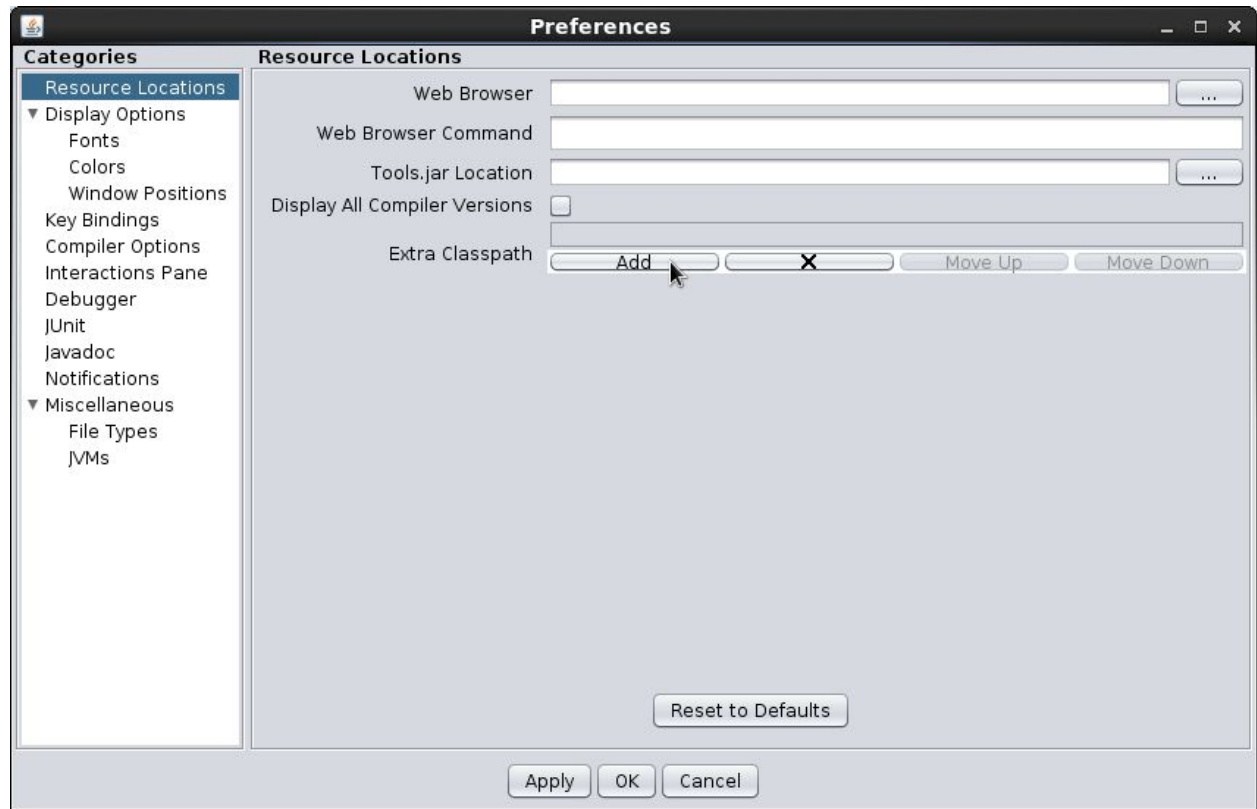
Set up Dr Java on LAB MACHINES :

For setting up Dr Java on **LAB MACHINES**, follow the **instructions below** , for setting up Dr Java on your **local machines**, skip these instructions and follow the instructions on this document with the title "**Set up Dr Java on your LOCAL MACHINE**"

- 1) Open Dr.Java by double clicking on the Dr.Java icon on your desktop using the left mouse button.
- 2) Click on Edit.

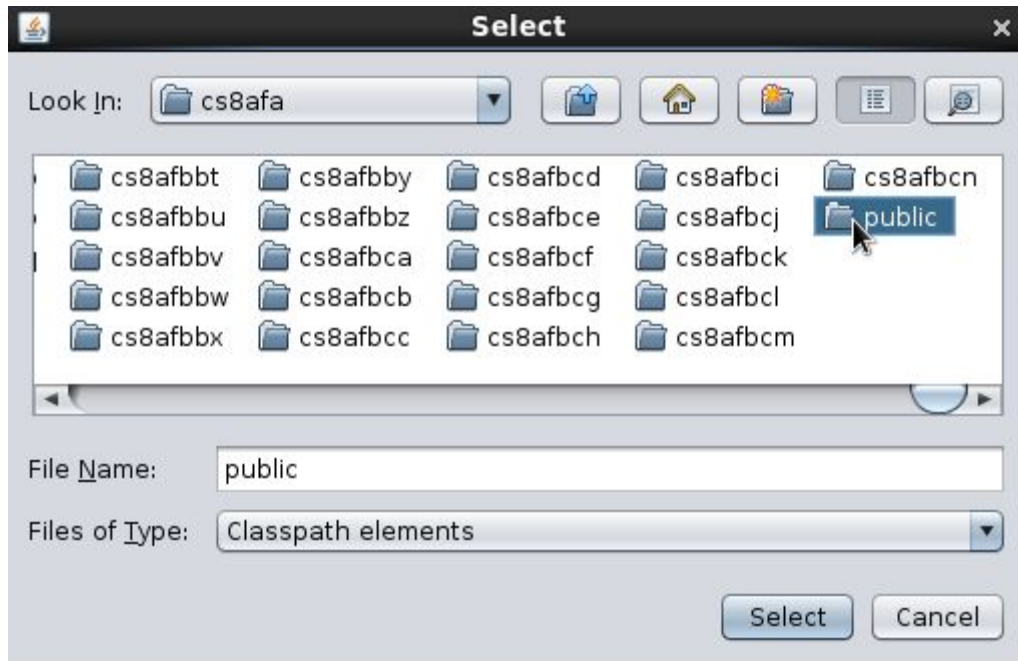


- 3) Select 'Preferences' from the 'Edit' dropdown.
- 4) From the 'Preferences' window, click on the Add button next to 'Extra Classpath'.

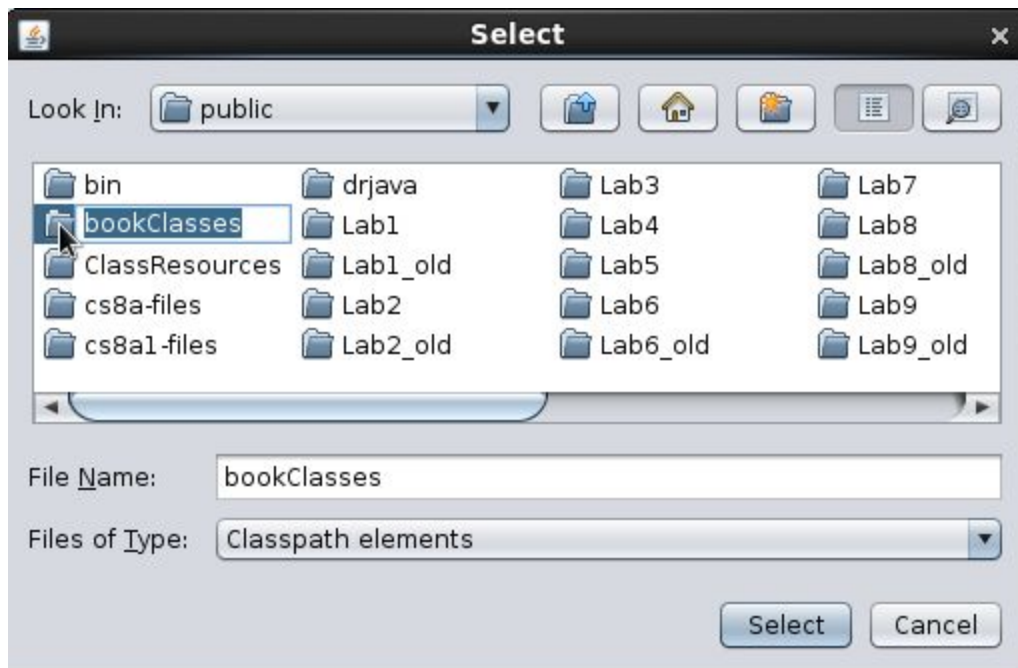


5) This and the following steps will walk you through navigating to the bookclasses folder.
If you are on the lab computers or remotely connected to the lab machines, then left-click the 'Up One Level' button

6) Double-click the 'public' folder.



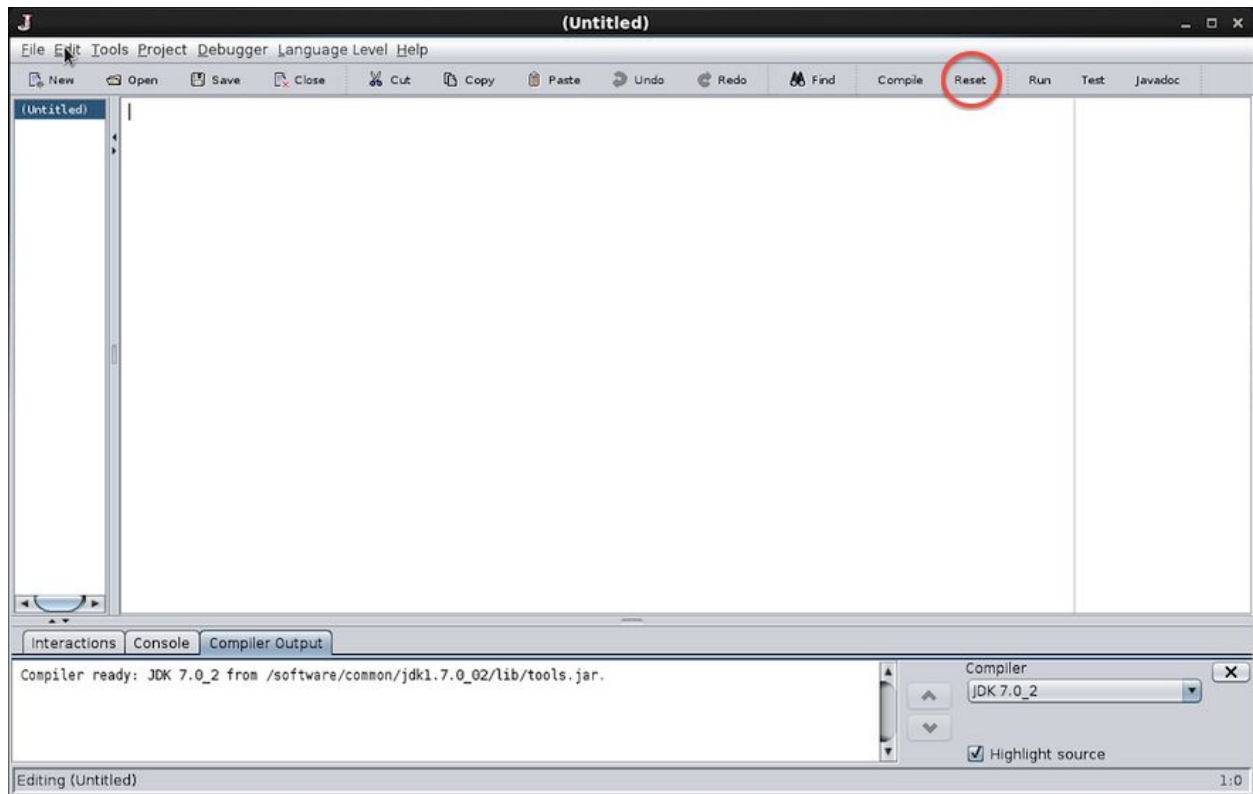
7) Left-click the 'bookClasses' folder.



8) Left-click 'Select'.

10) Left-click on 'Ok' to exit out of 'Preferences'.

11) Now, in Dr. Java, click on the "Reset Button" near the top right of the window.



11) Did it work? Find out by going to the Interactions pane (bottom of Dr. Java window, click on interactions). You should see in that pane: *Welcome to DrJava. Working directory is (SOMETHING)>*. The ">" is a prompt for you to type something.

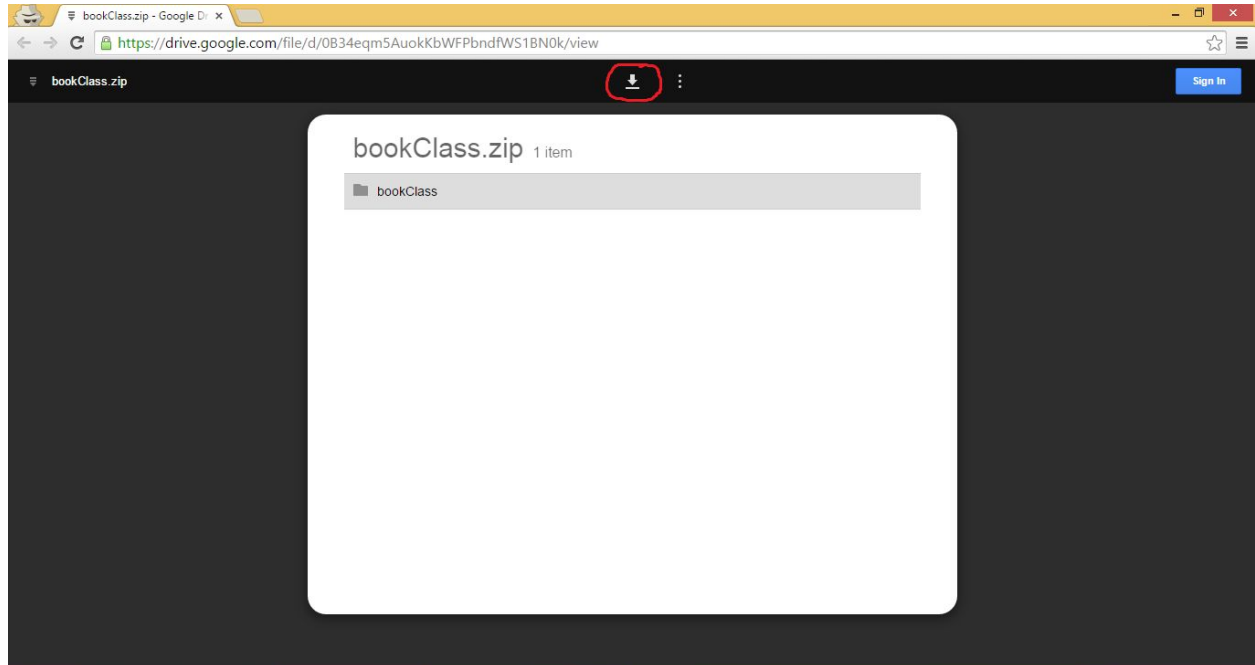
12) Click to the right of it and you should get a blinking "|" sign. Type the following: `World w = new World();`

13) Then hit the Enter key. Whenever we ask you to type a line in Dr. Java, we expect you to hit Enter when you are done. If this pops up a blank Window titled "World" you are ready to go on to Part B.

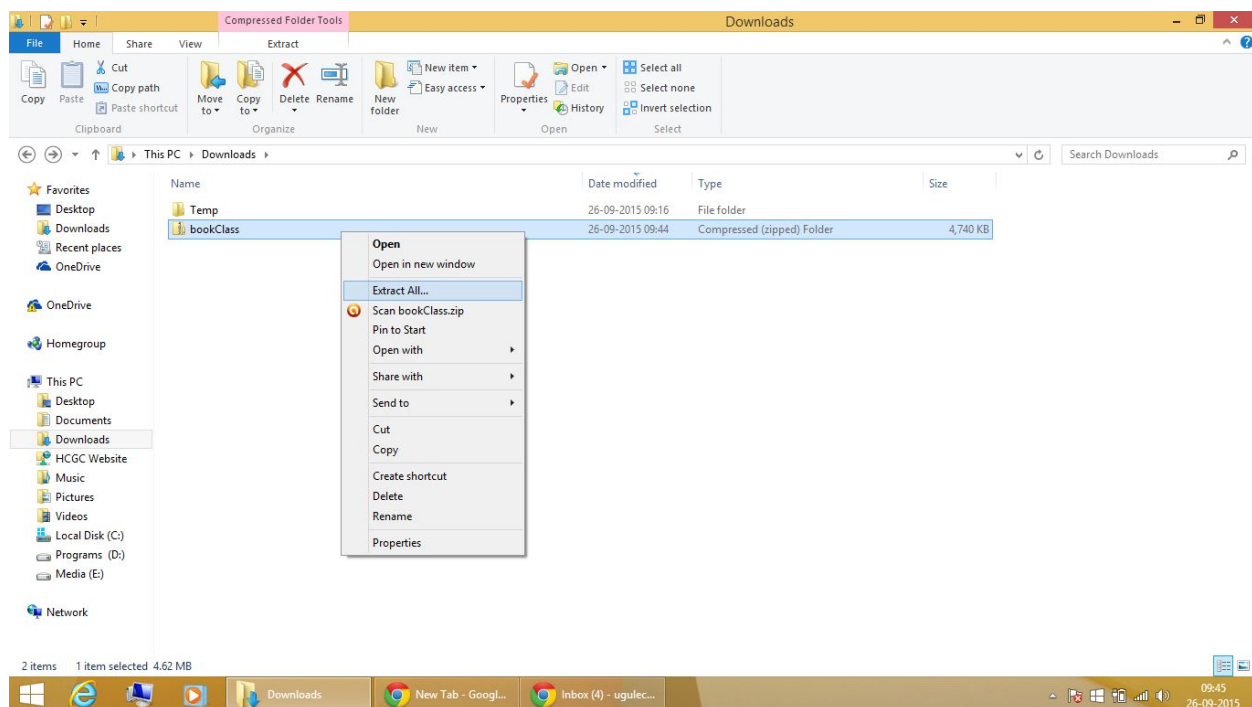
Set up Dr Java on your LOCAL MACHINE

1) Download bookClass from this link:

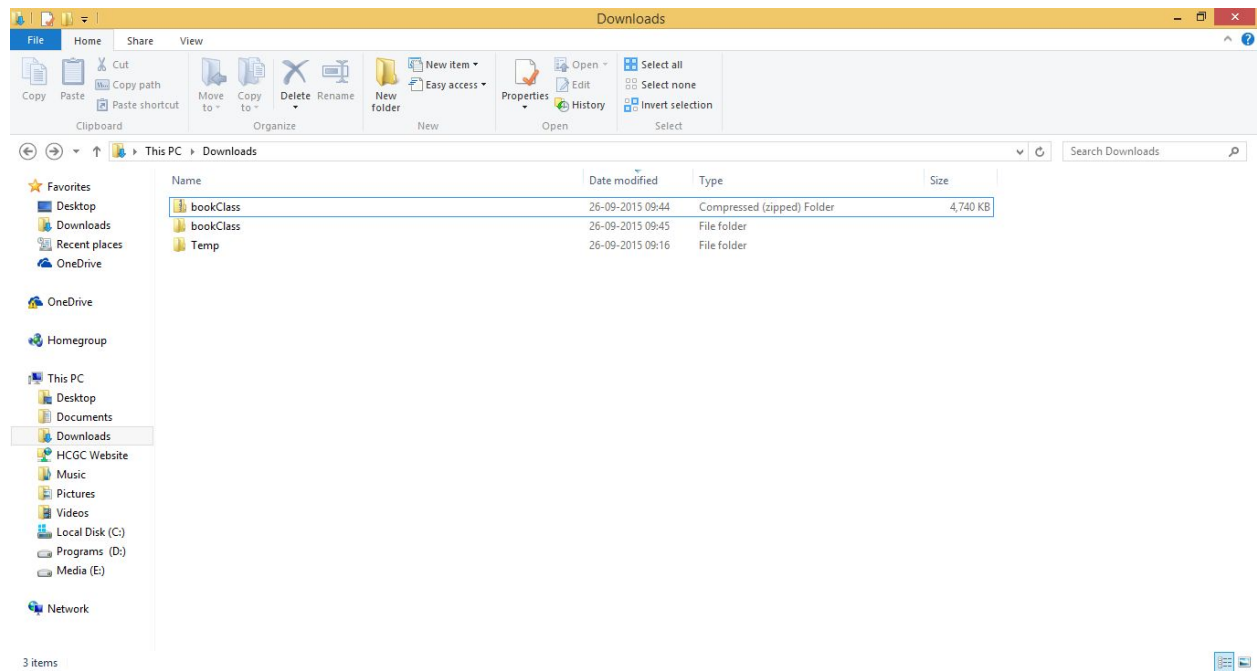
<https://drive.google.com/file/d/0B8h0zbvtjDv-eEVLmVJYbEwzZWM/view?usp=sharing>



2) After downloading the bookClass from the link given above, extract/unzip it to your local machine. Remember where you have extracted it.

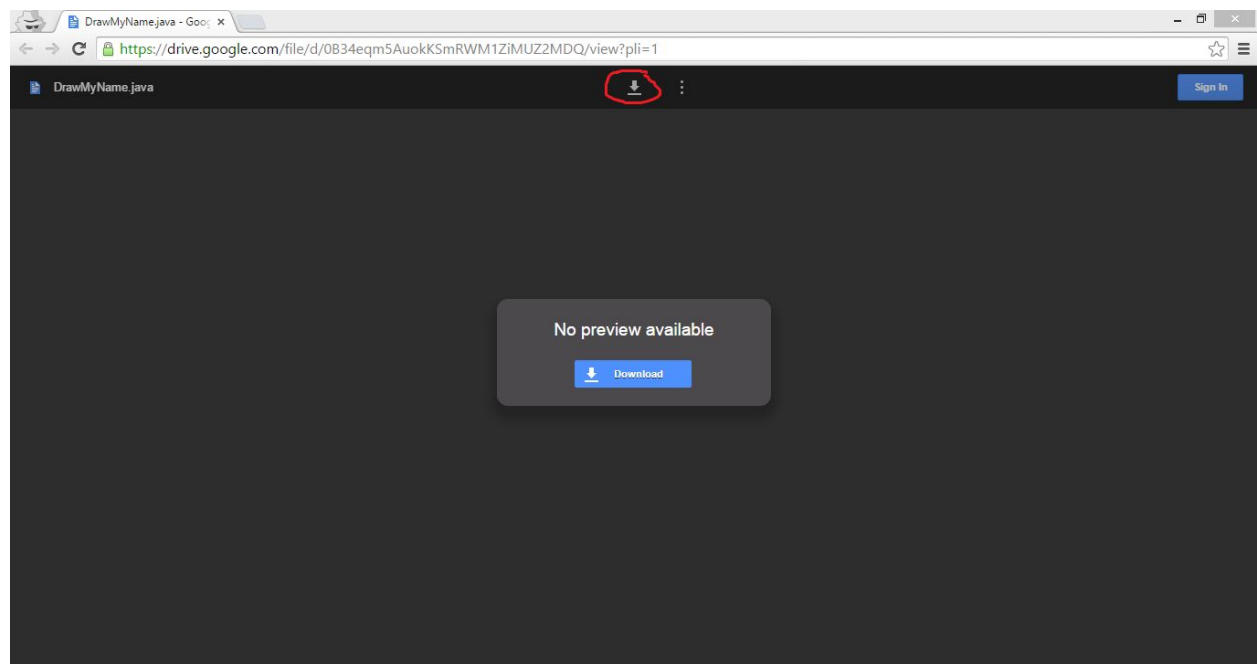


3) After extracting/unzipping, you should see a folder like this below

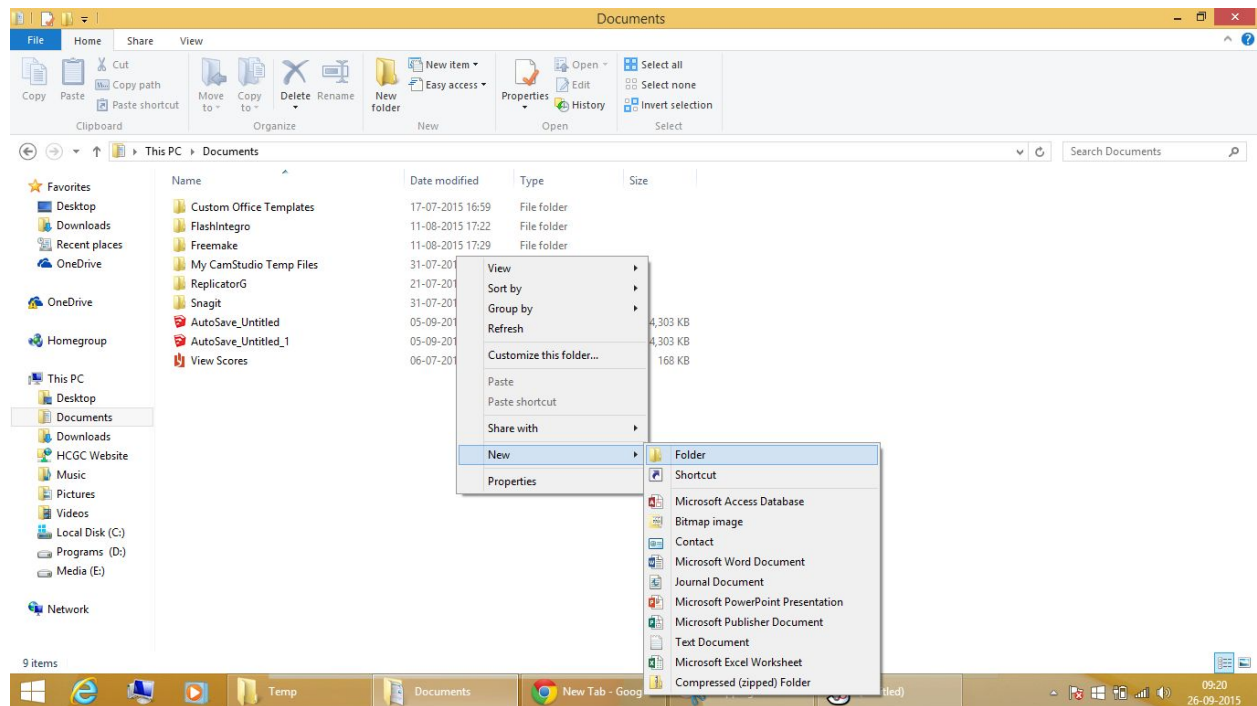


4) Download DrawMyName.java from this link:

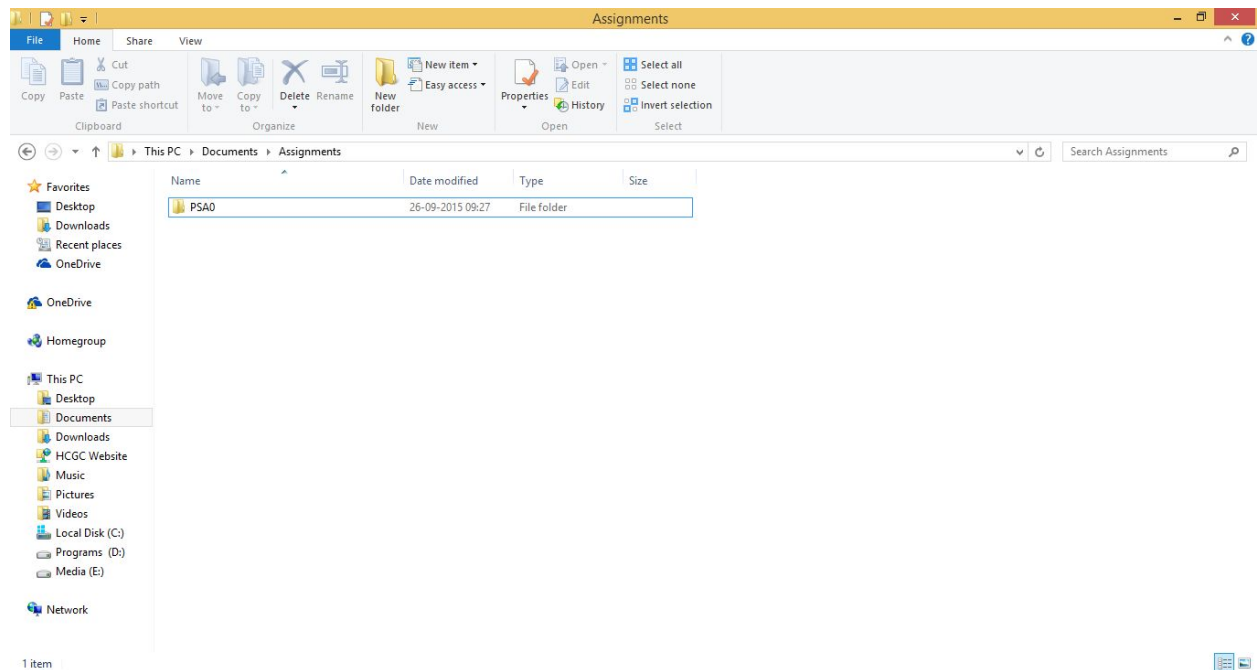
<https://drive.google.com/file/d/0B8h0zbvtjDv-bXZWR1ICN1JPMm8/view?usp=sharing>



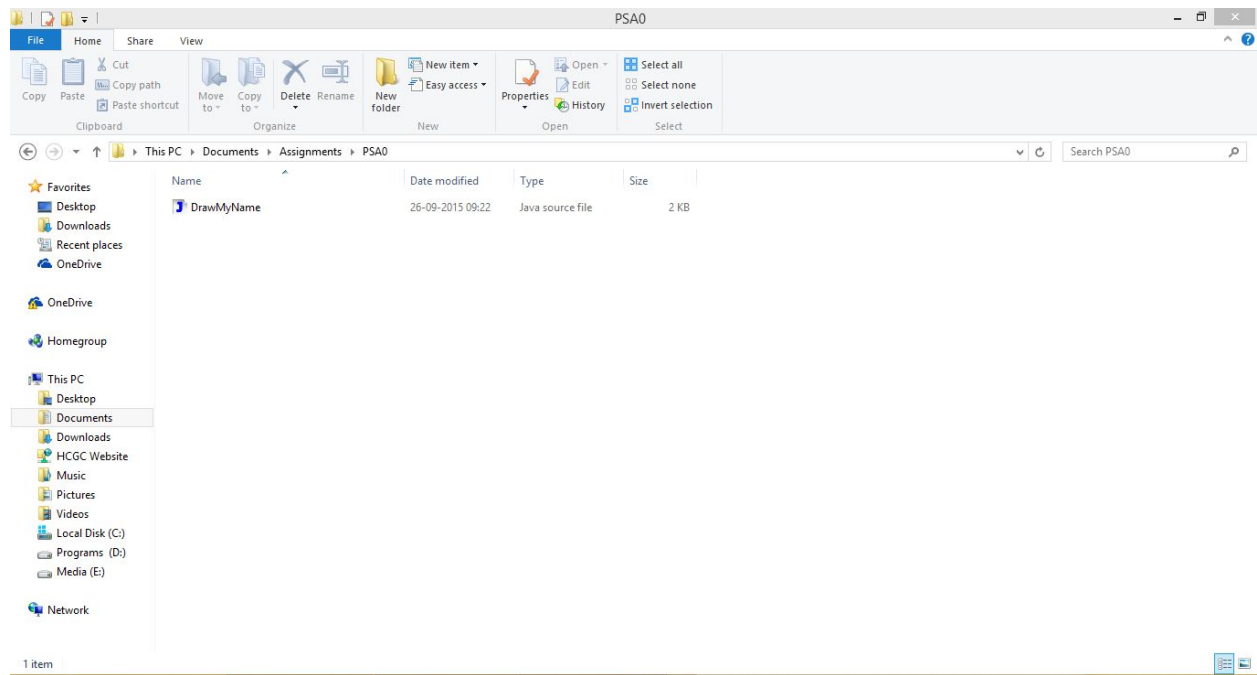
5) Create a new folder named "Assignment" in your local machine.



6) Inside the Assignment folder, create a new folder named "PSA0"

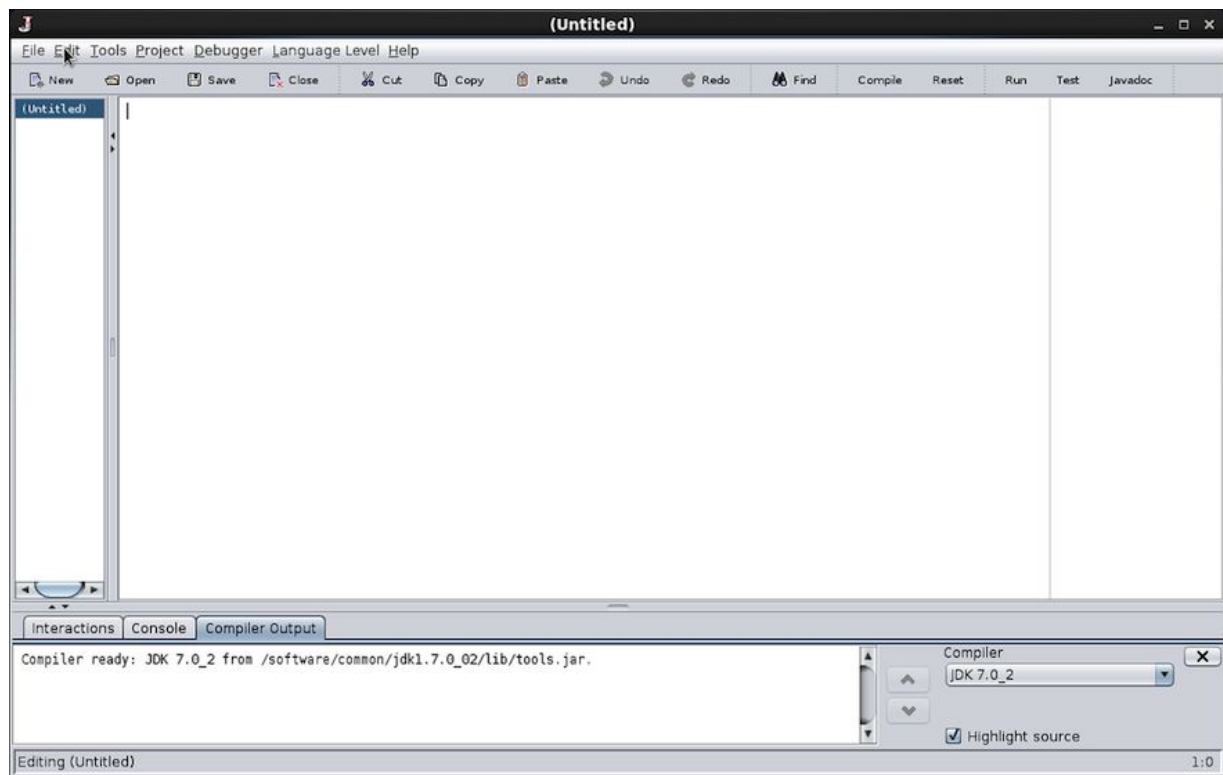


7) Copy the downloaded DrawMyName.java file and paste it in the PSA0 folder



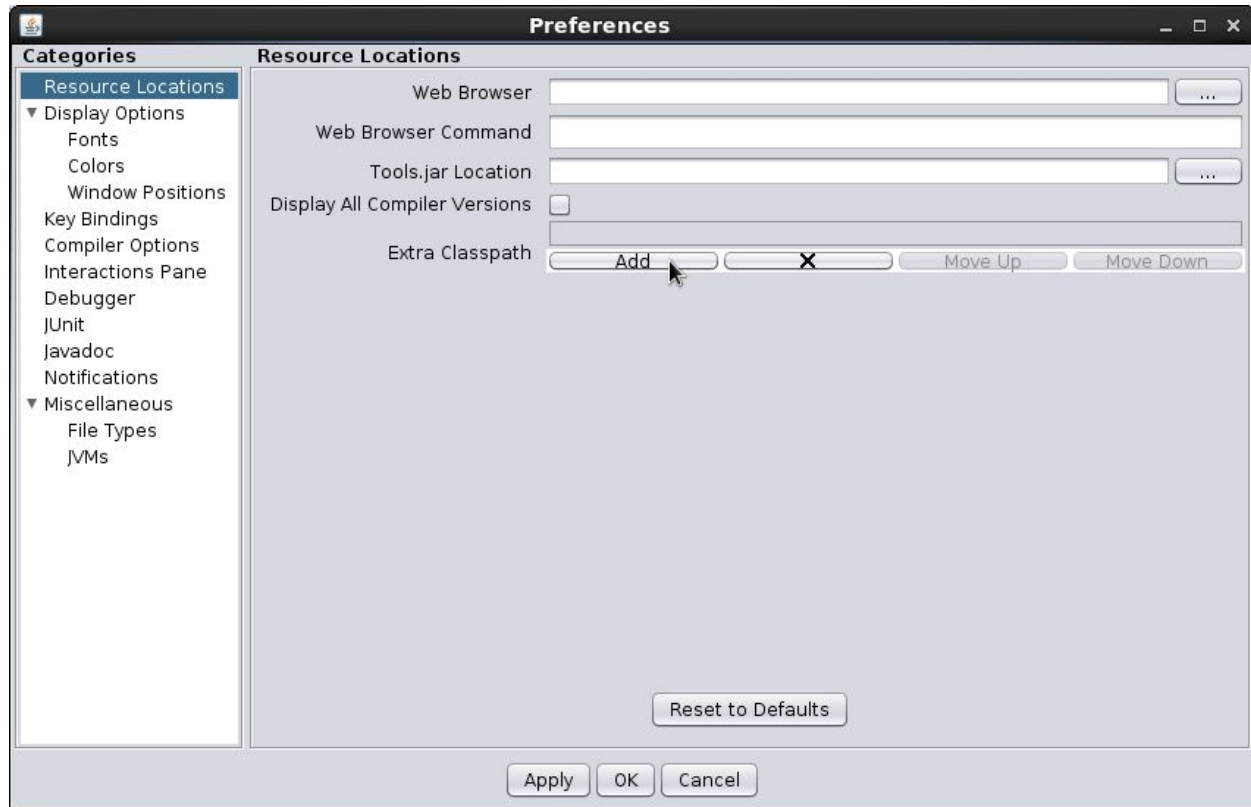
8) Open Dr.Java

9) Click on Edit.

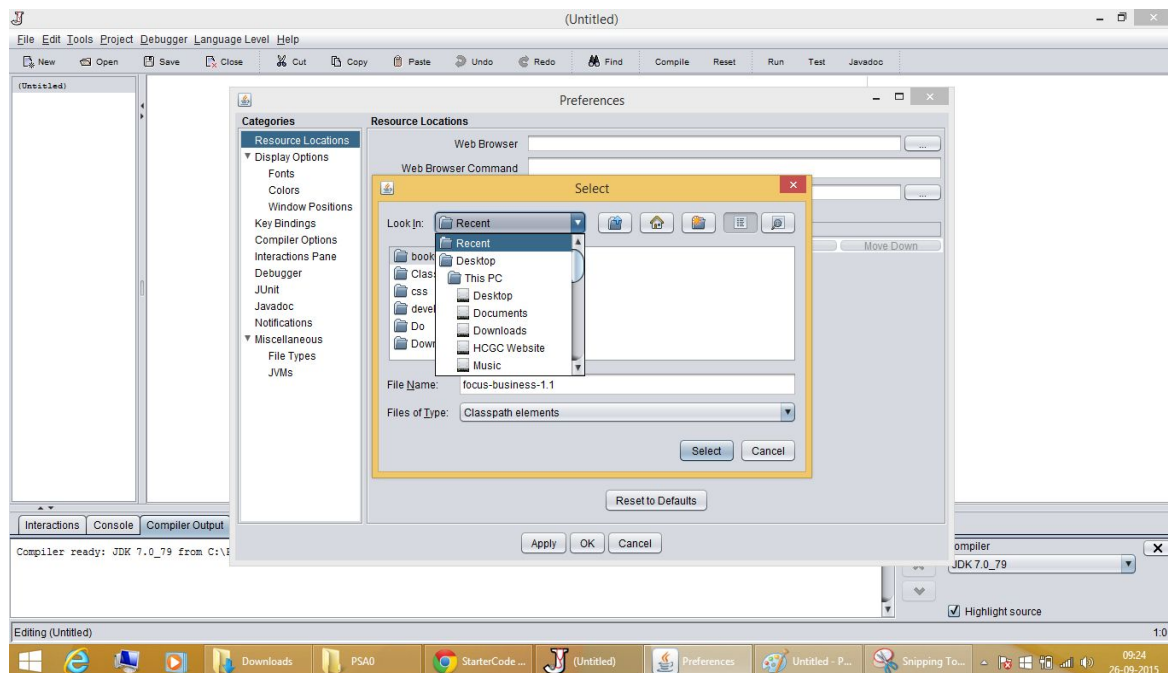


10) Select 'Preferences' from the 'Edit' dropdown.

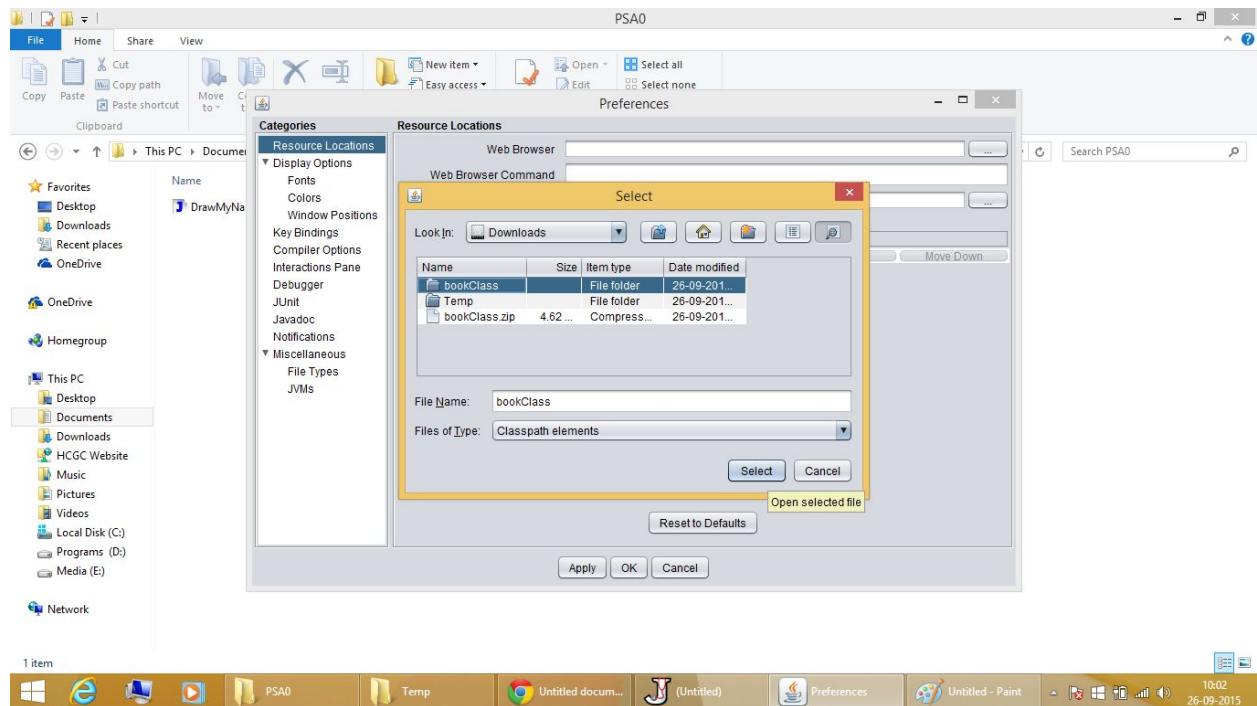
11) From the 'Preferences' window, click on the Add button next to 'Extra Classpath'.



12) Navigate to the extracted/unzipped bookClass folder on your machine.

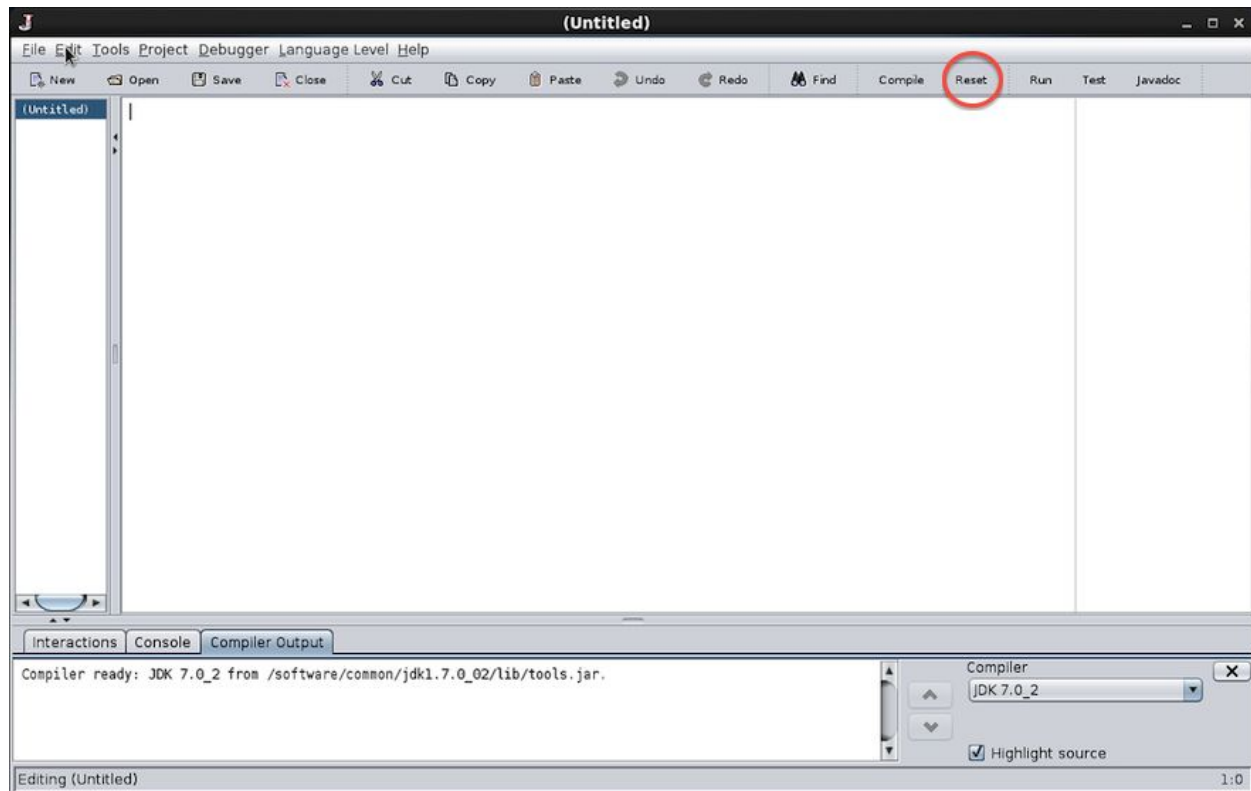


13) Click Select



14) Left-click on 'Ok' to exit out of 'Preferences'.

15) Now, in Dr. Java, click on the "Reset Button" near the top right of the window.



16) Did it work? Find out by going to the Interactions pane (bottom of Dr. Java window, click on interactions). You should see in that pane: *Welcome to DrJava. Working directory is (SOMETHING)>*. The ">" is a prompt for you to type something.

17) Click to the right of it and you should get a blinking "|" sign. Type the following: `World w = new World();`

18) Then hit the Enter key. Whenever we ask you to type a line in Dr. Java, we expect you to hit Enter when you are done. If this pops up a blank Window titled "World" you are all set up!