



COMPUTER SCIENCE, EDUCATION, PROGRAMMING

How to convert Java file into executables

□ November 19 by J Maria Irudaya Regilan

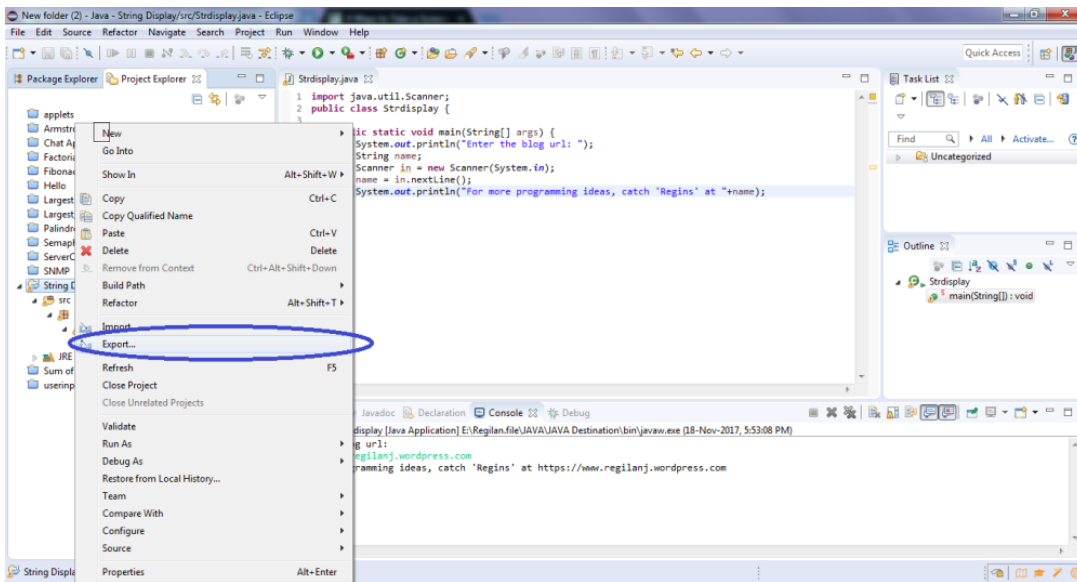
Previously I have told that learning Java is a magic. Wanna learn more in that magic? Here's the easy explanation on converting .java file to .exe.

Steps for exporting .jar from .java

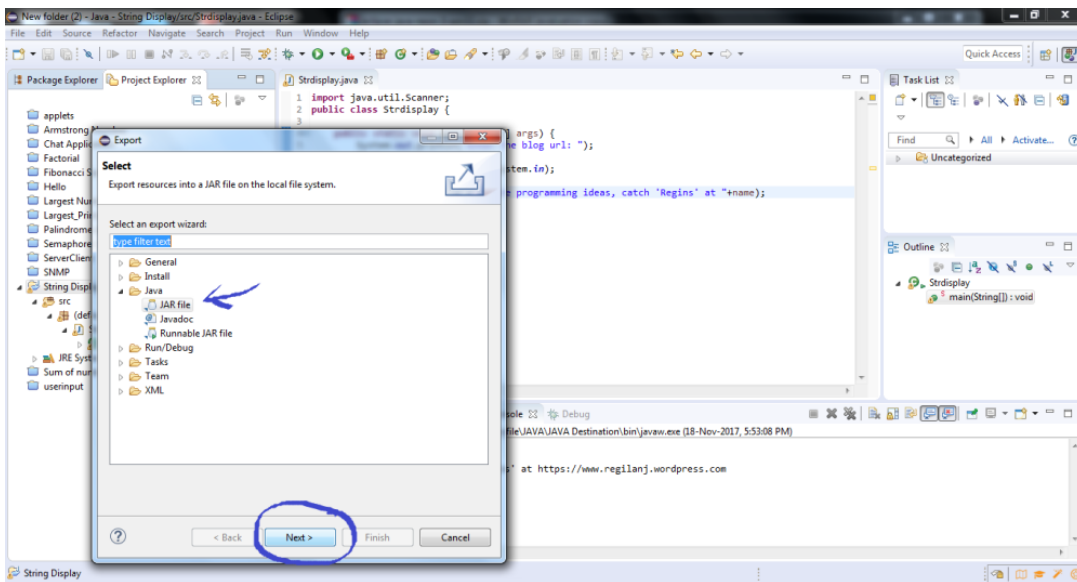
Step 1: Create your java file. I recommend you to create your file in eclipse because creating .jar file for your program can be easily done in that. If you do not have eclipse installed in your system, you can find it in here (<https://www.eclipse.org/downloads/eclipse-packages/>).

Step 2: Now create your project on eclipse and store it in your workspace.

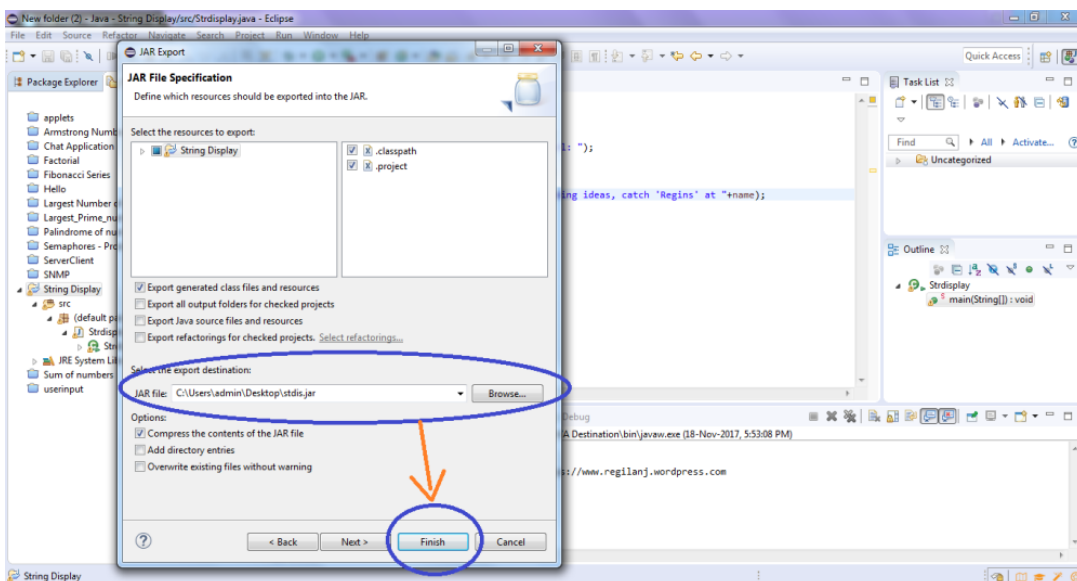
Step 3: Now **right click** on your project in *Project Explorer* tab and select **Export**.



Step 4: In **Export** -> under **JAVA** folder select **jar file** and click **next**.



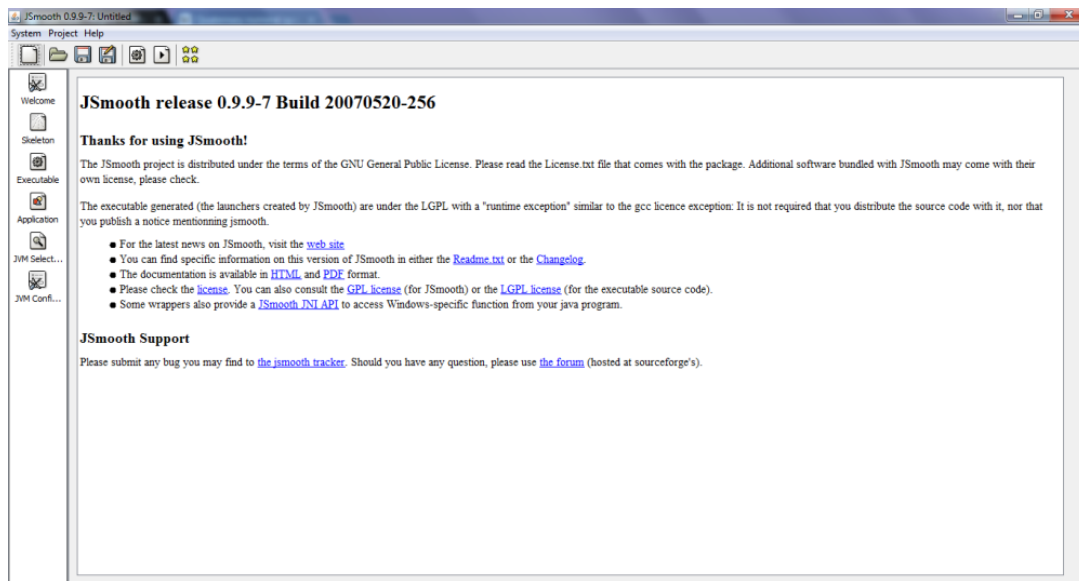
Step 5: Select the export destination for your .jar file and click **Finish**



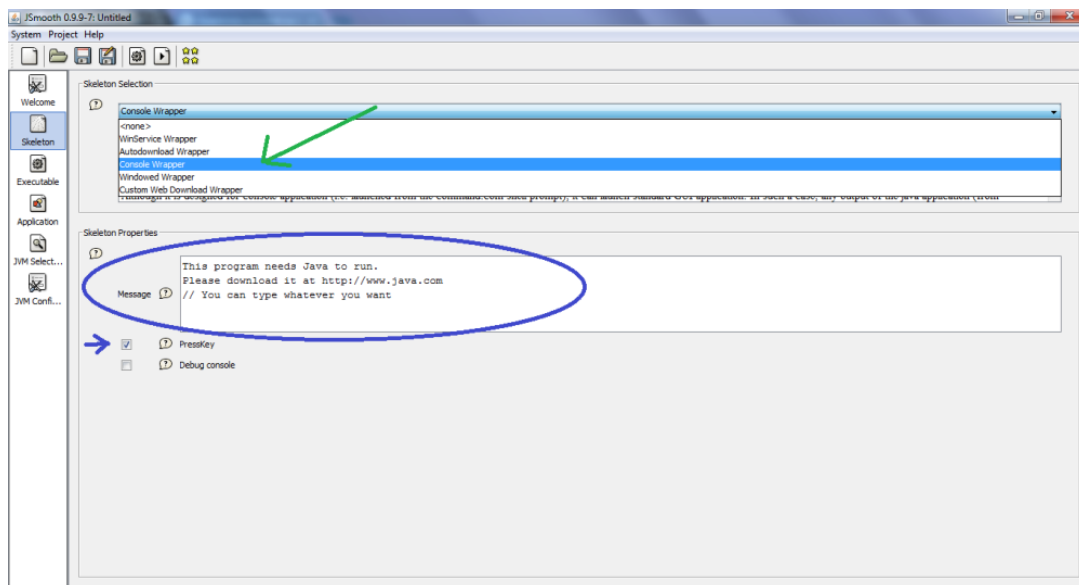
Steps for creating an executable

Step 1: You should download a setup of *JSmooth* to your system. You will find it in [here](https://sourceforge.net/projects/jsmooth/files/jsmooth/) (<https://sourceforge.net/projects/jsmooth/files/jsmooth/>).

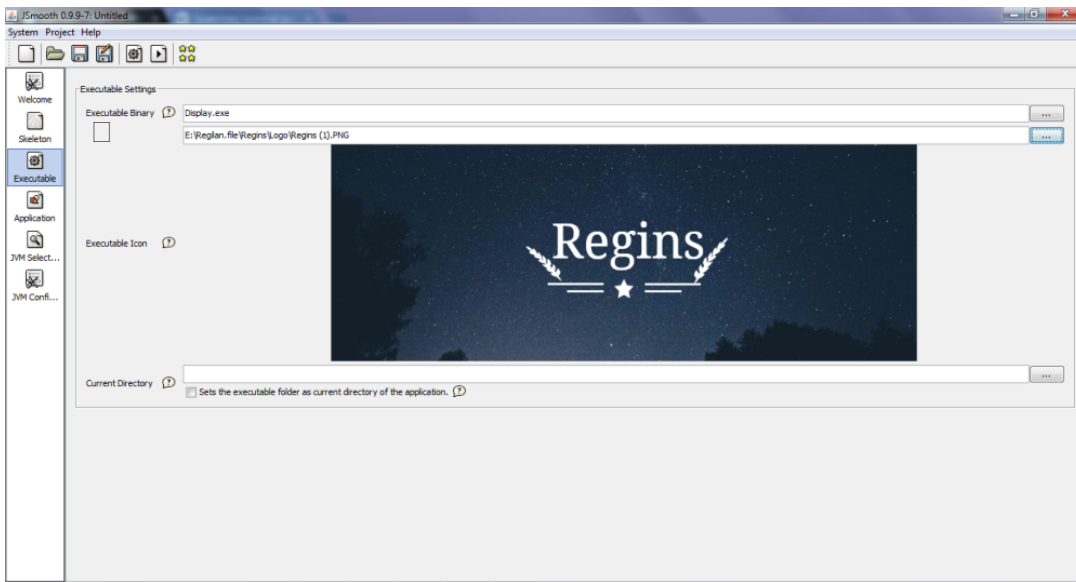
Step 2: Open JSmooth after installing in your system. □



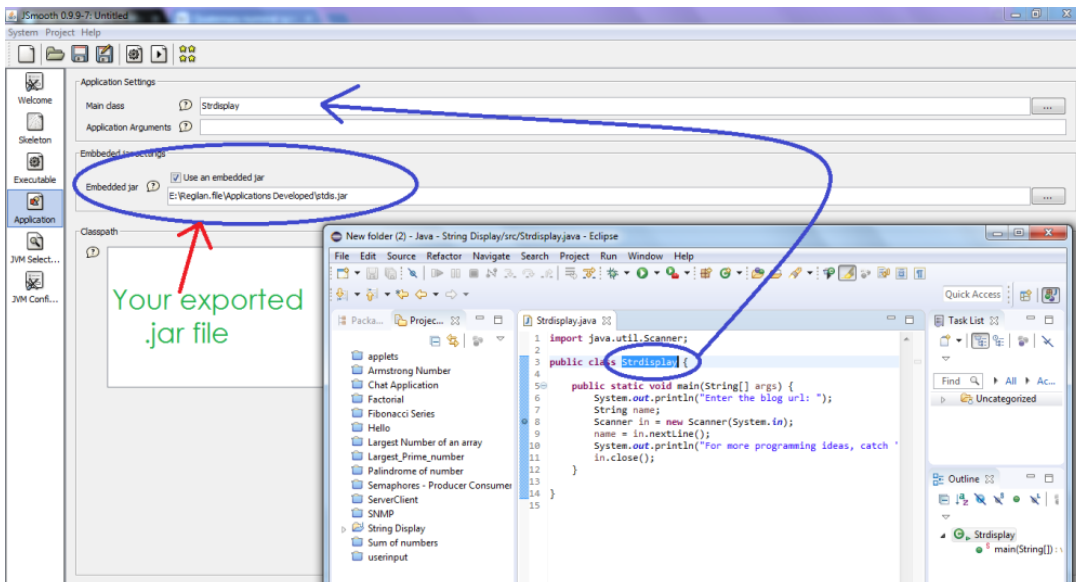
Step 3: On *Skeleton* tab, under **Skeleton Selection**, select *console wrapper* option from dropdown list to show my console window as output in my application. You also have other suitable options that can be chosen. Under **Skeleton Properties**, type the message in the text box that shows when an error occurs (mostly when the client doesn't own a machine where Java installed). Check *PressKey* checkbox to make the message to stay in the screen until any key is pressed.



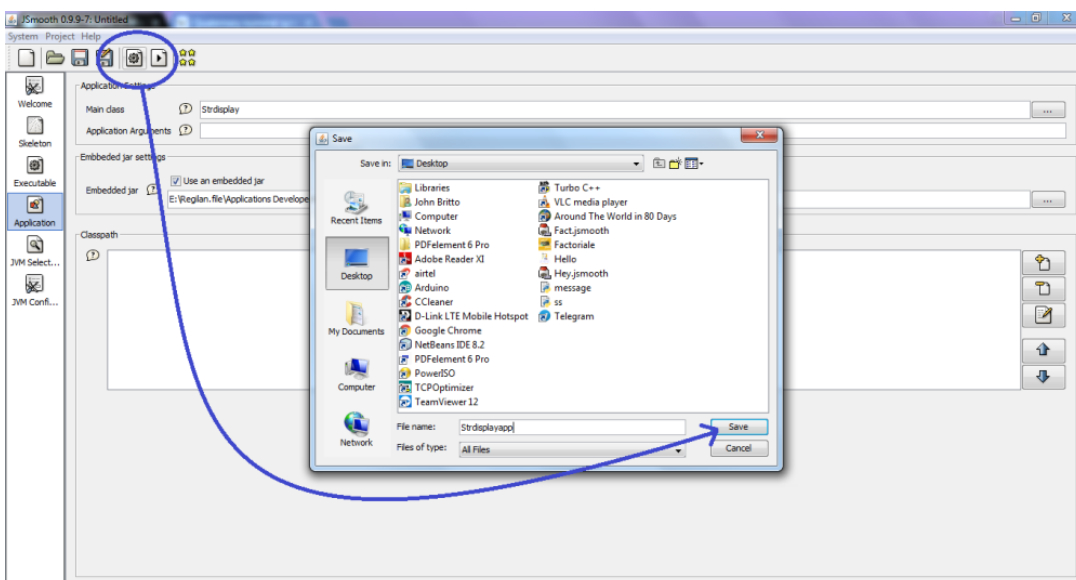
Step 4: On *Executable* tab, Give you *Application Name* under Executable Binary text box and Give your *Application Icon* under Executable Icon.



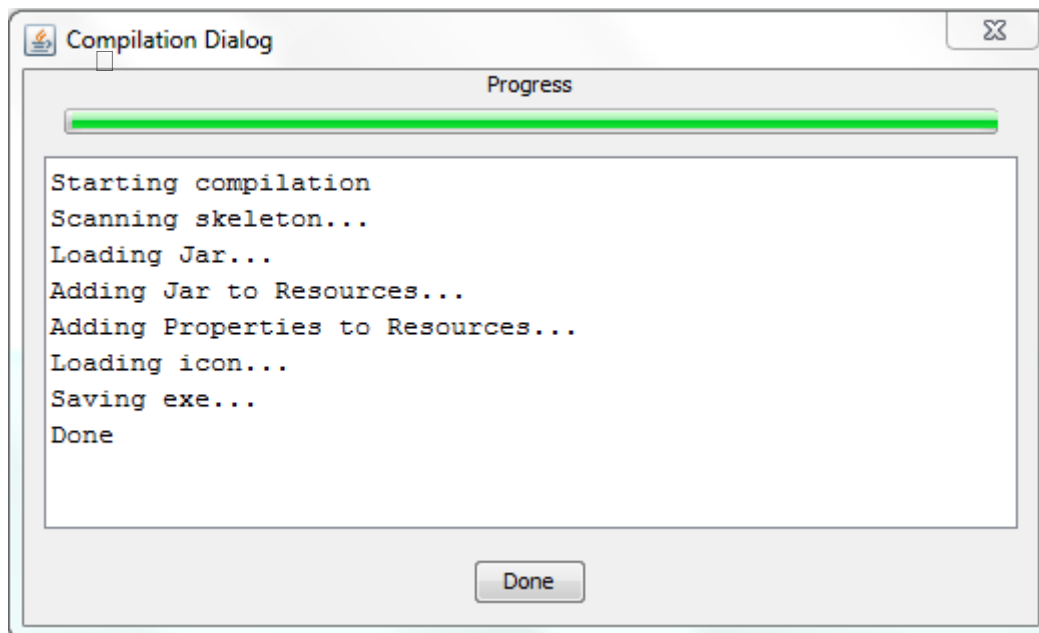
Step 5: On **Application** tab, under Main Class text box, give the class name of your Java program. In my case, it is "Strdisplay". Check **Use an embedded jar** check box under Embedded Settings and direct it to your exported .jar file at the beginning.



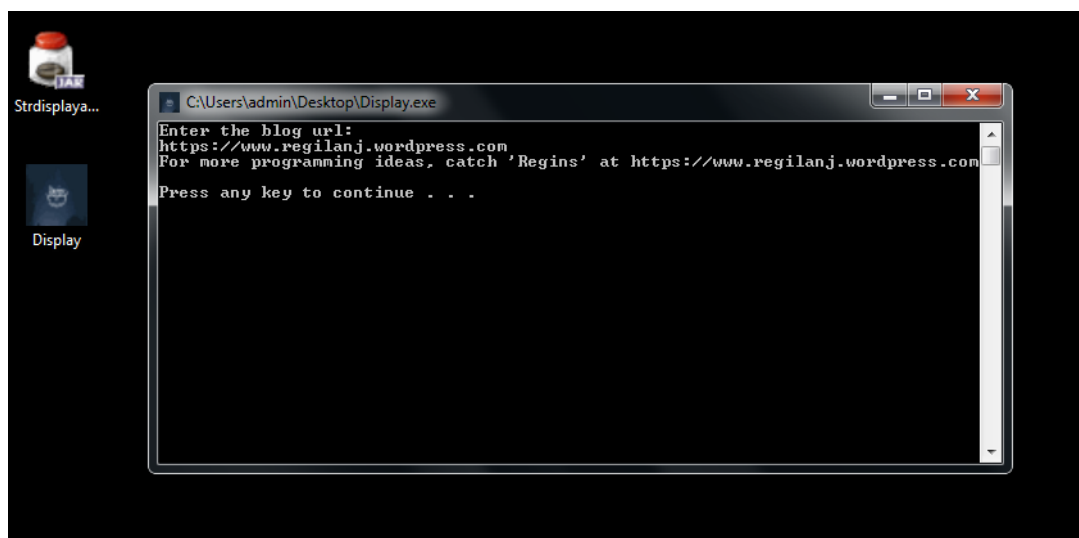
Step 6: Now, Click the gear icon at the top to compile. Save your Jsmooth file with a good name.



Once, you have compiled successfully, you get compilation dialog box as follows,



Step 7: After a successful compilation you can see an application exists near your Jsmooth file. Double click it and enjoy the execution.



That's it. now you can able to develop executable applications in Java. If you want to know how to develop executables in python, click [here](https://regilanj.wordpress.com/2017/06/07/py-to-exe-in-python-3-6-1/) (<https://regilanj.wordpress.com/2017/06/07/py-to-exe-in-python-3-6-1/>). Also Catch up [Cheat sheets](https://regilanj.wordpress.com/2017/06/19/java-cheat-sheet/) (<https://regilanj.wordpress.com/2017/06/19/java-cheat-sheet/>) that are available in our blog. You can catch them under our blog category '**Programming**'.

From,

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