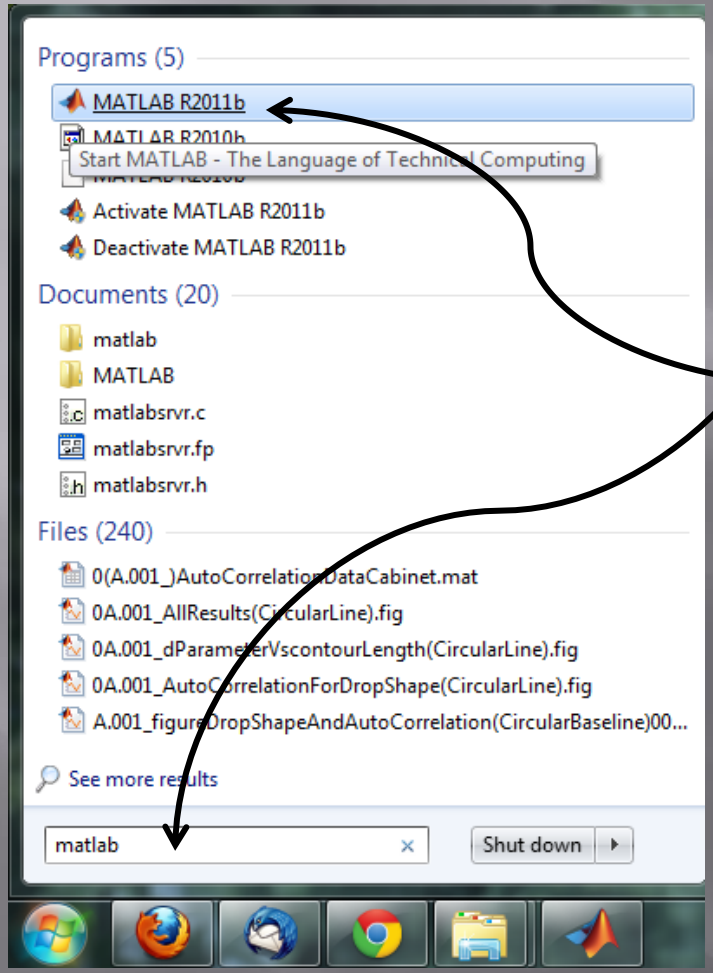
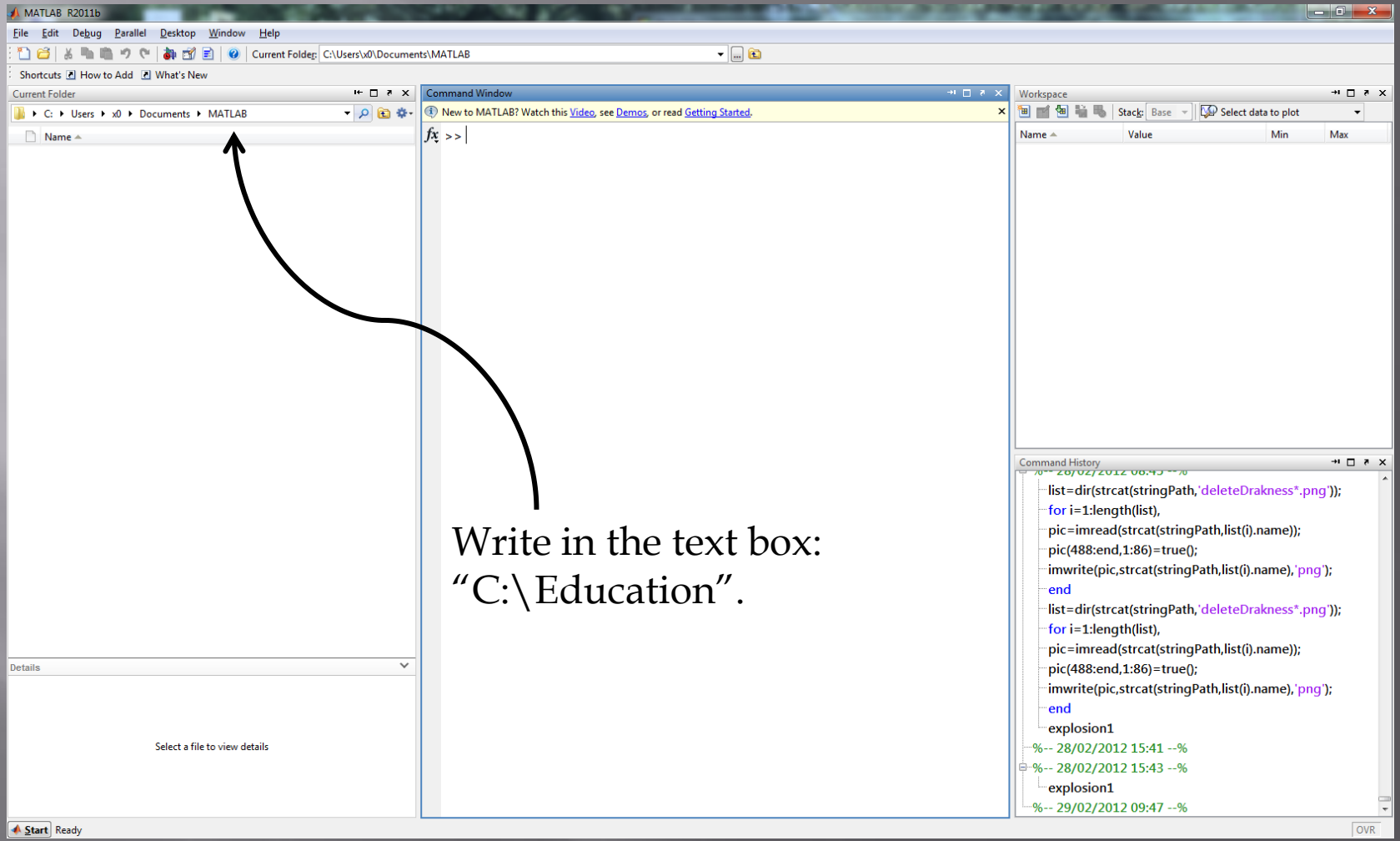
Using Matlab to Learn about Explosion (A computer Simulation)

Quick Reference Guide for the Students.

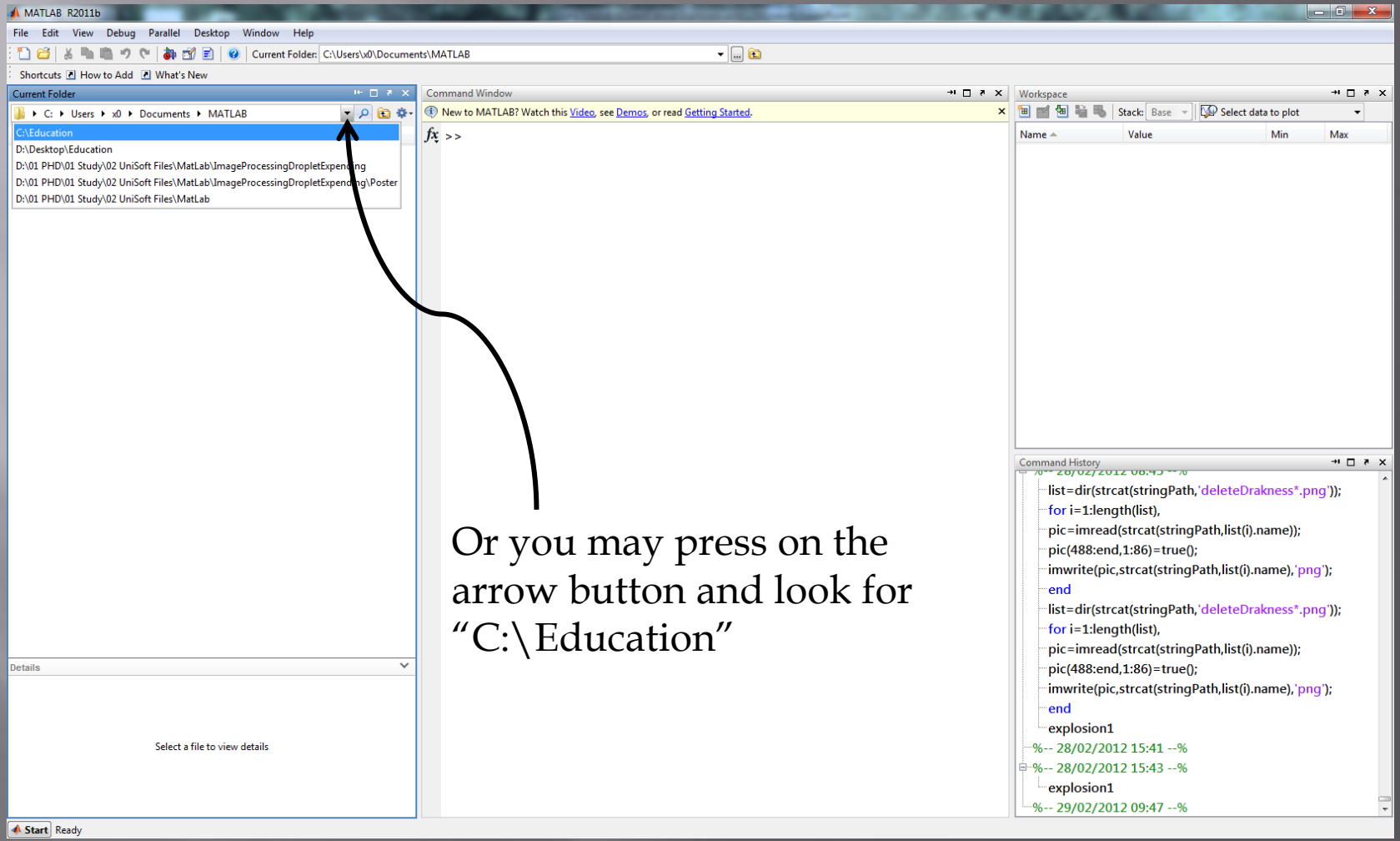


Press Windows 7 Icon and write in “matlab”.

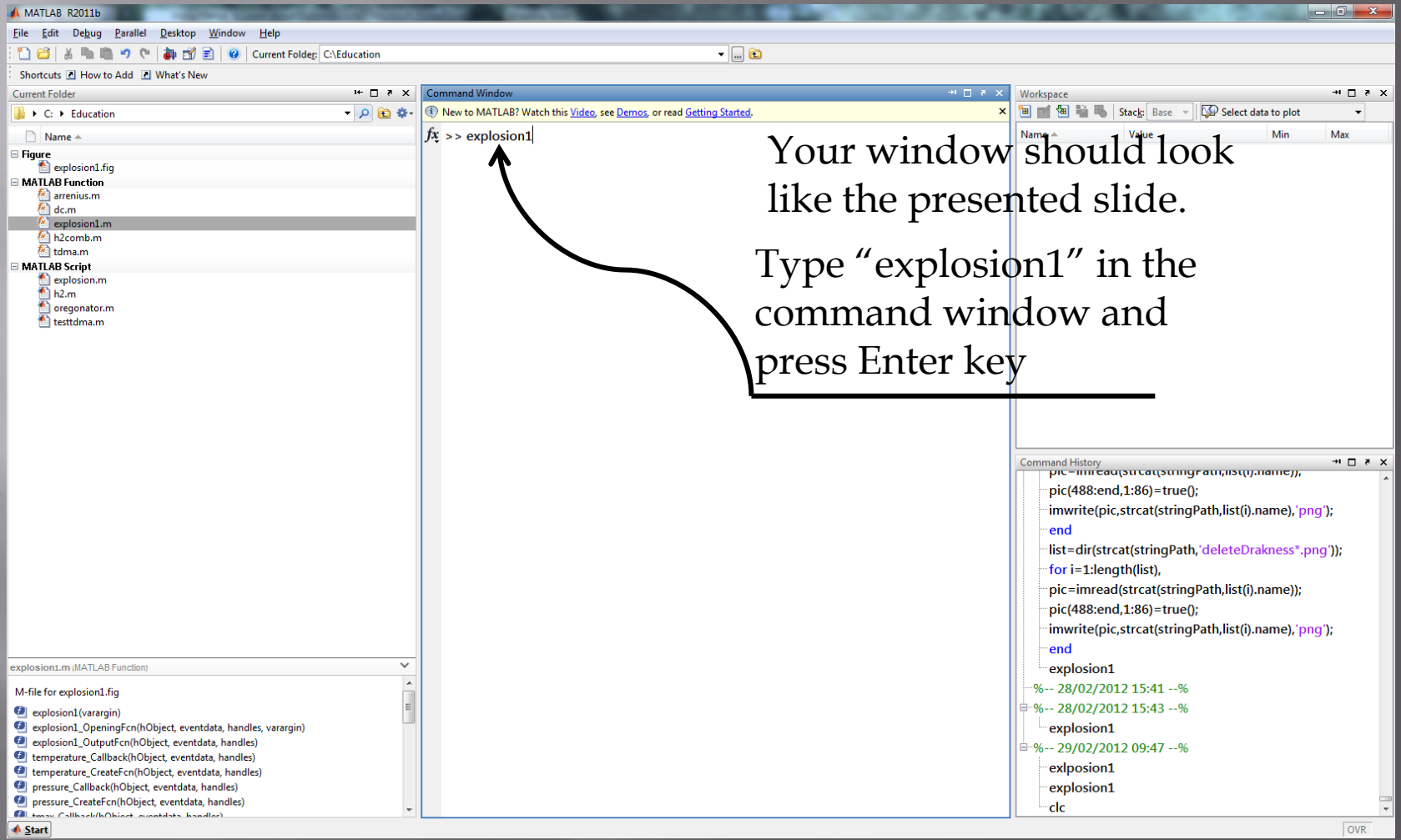
Choose Matlab from the menu



Write in the text box:
“C:\Education”.

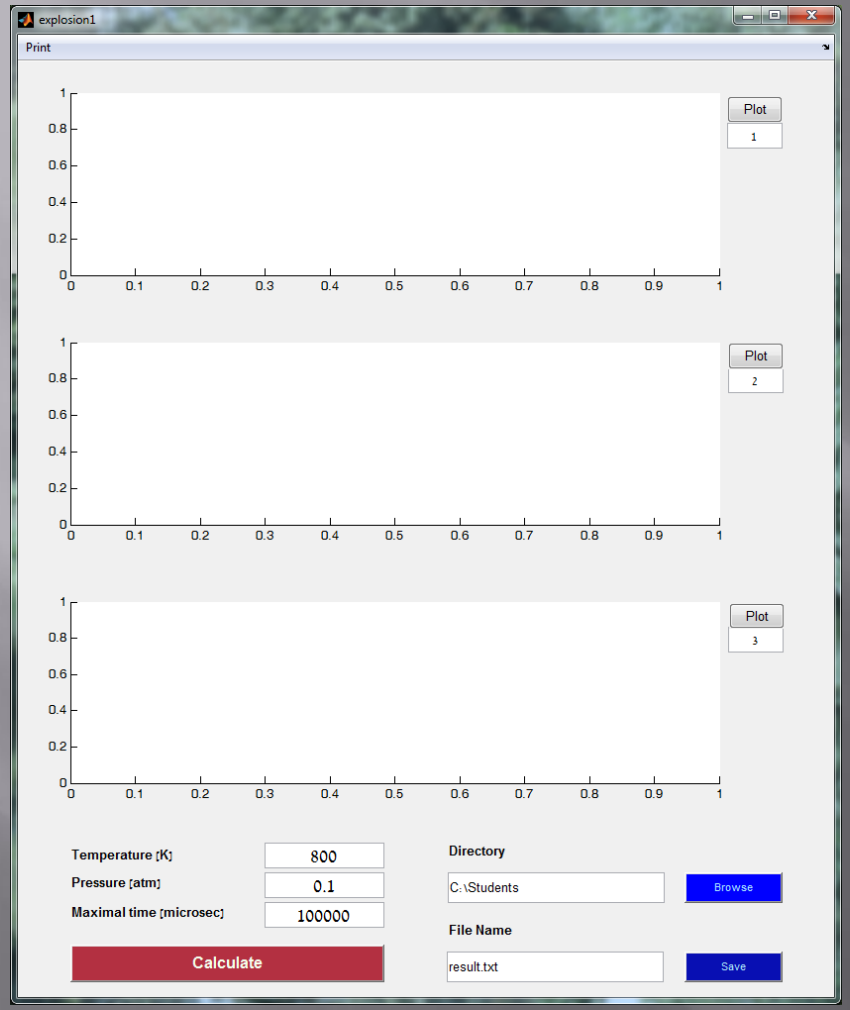


Or you may press on the arrow button and look for "C:\Education"



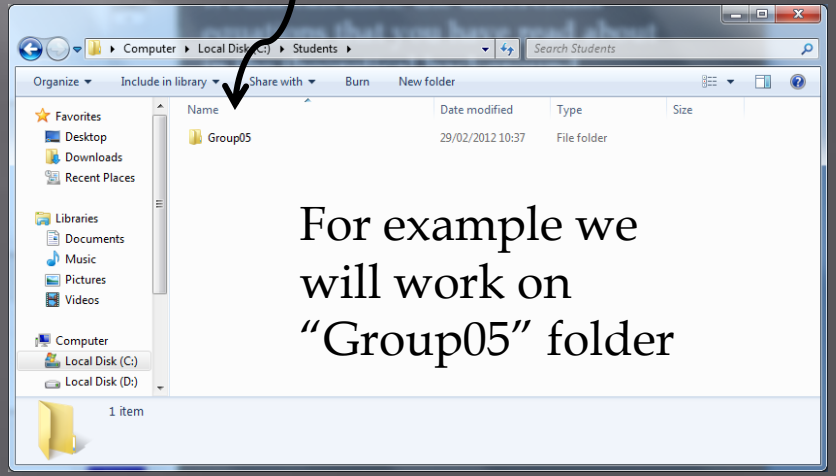
Your window should look like the presented slide.

Type “explosion1” in the command window and press Enter key

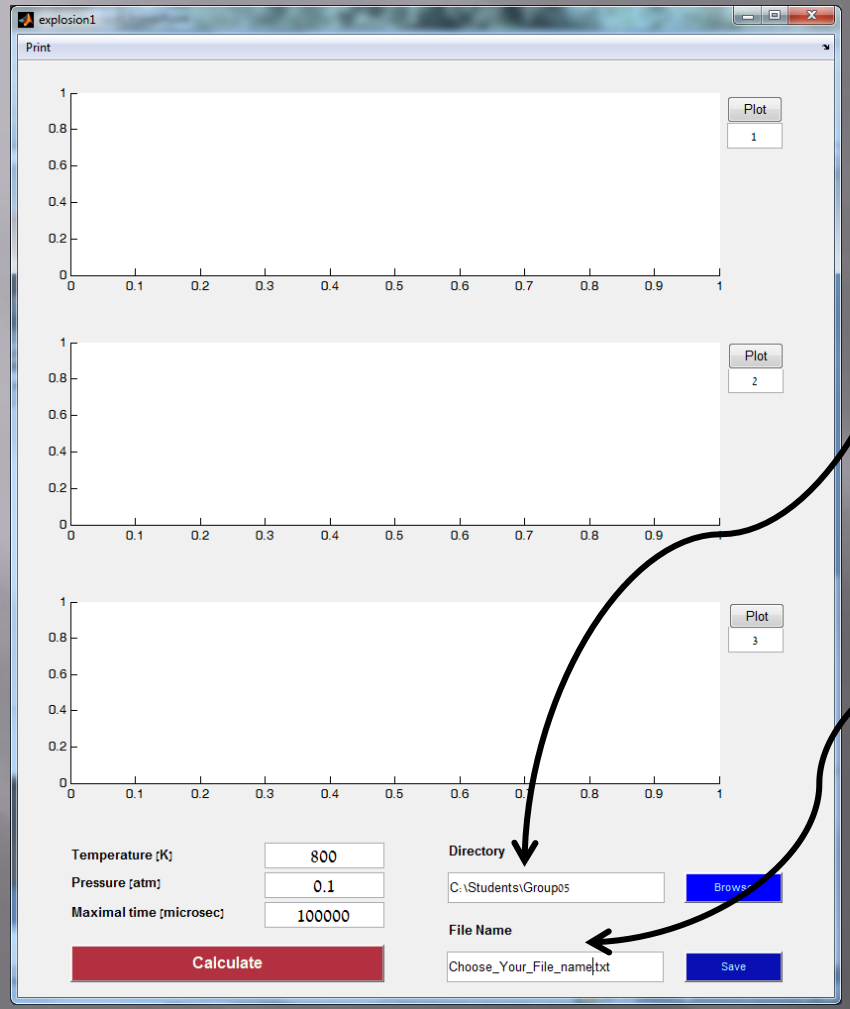


This is the simulation window that would calculate the differential equations that you have read about in the theoretical background.

In the first use:
open windows explorer, navigate to "C:\Students" folder and open a folder for your group as such:

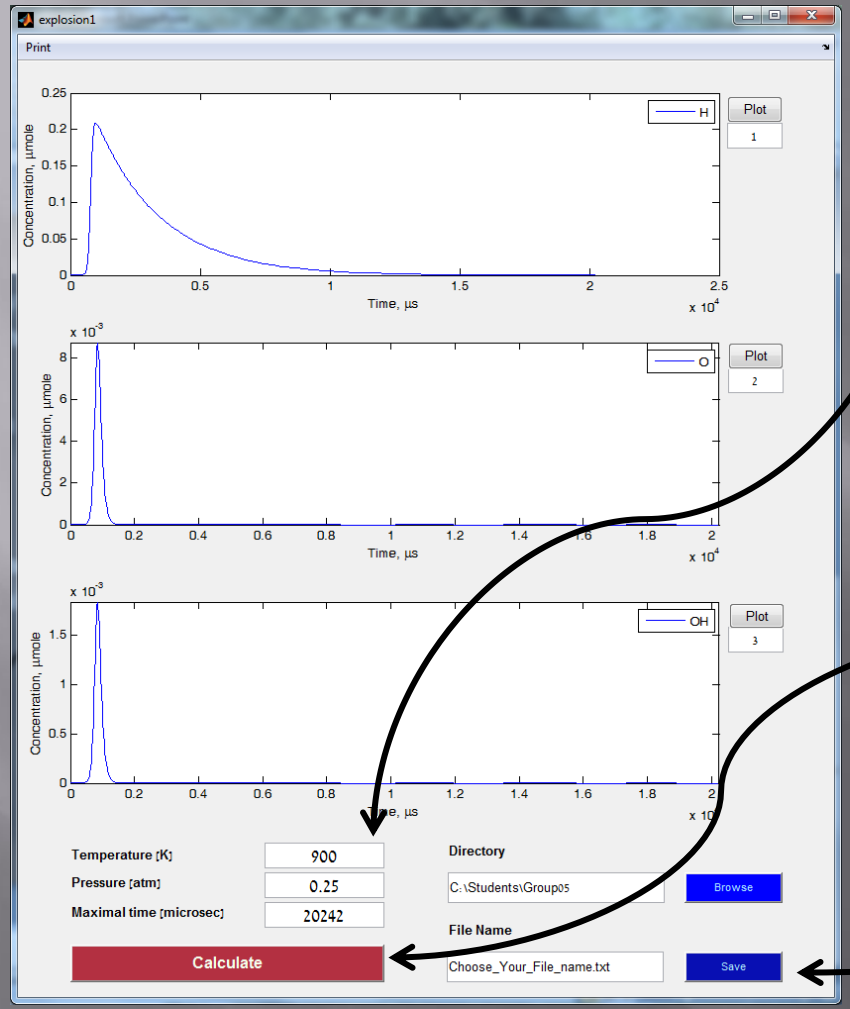


For example we will work on "Group05" folder



Type in the directory text box the newly folder path that you have created for your group.

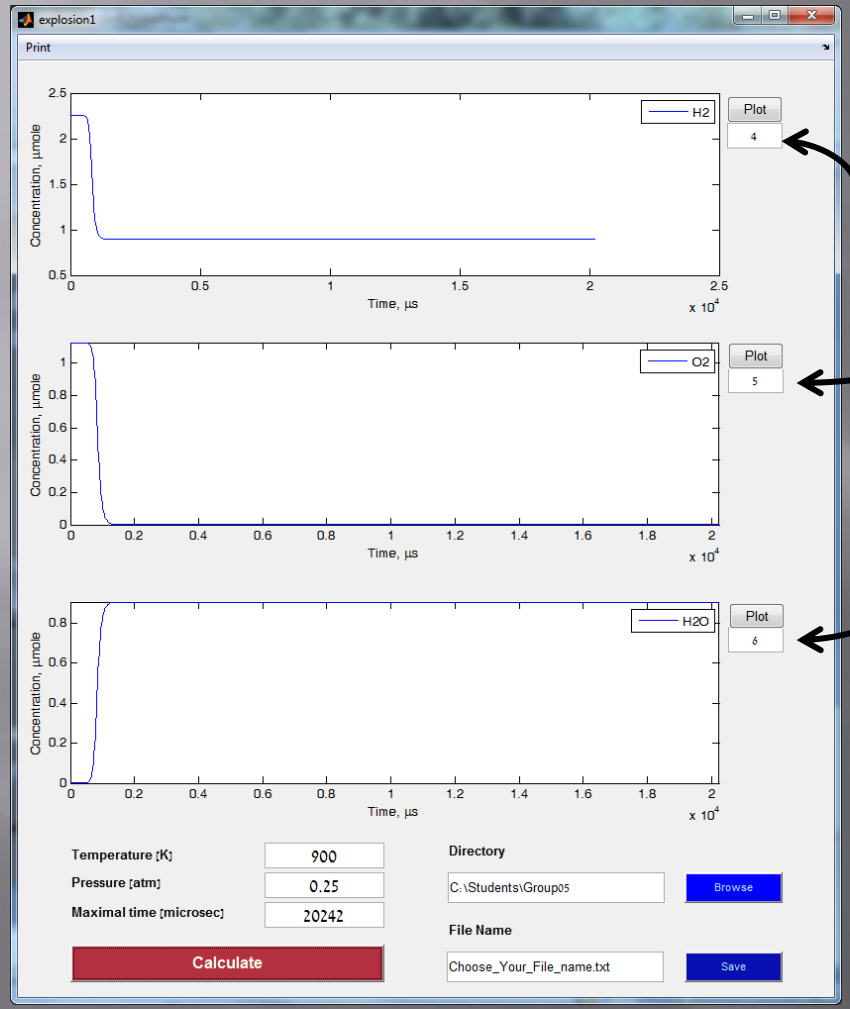
For each successful simulation, you are able to save your data to a text file.



For the simulation, enter temperature, pressure and maximum time scale

When you're done, press "Calculate" button.

If you wish, save your simulation data by pressing "Save" button.



You are able to see the simulation results for other substances' by changing the graph numbers.

Note! You must backup your data after every session of the lab to your email account (you may zip your files).

End