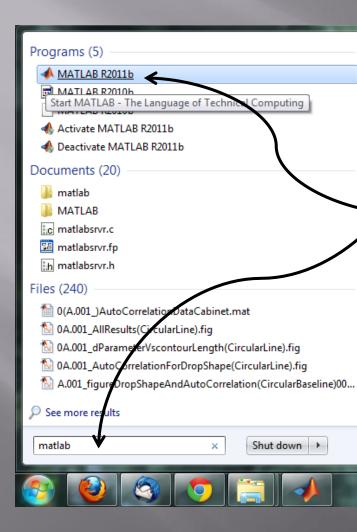
## Using Matlab to Learn about Explosion (A computer Simulation)

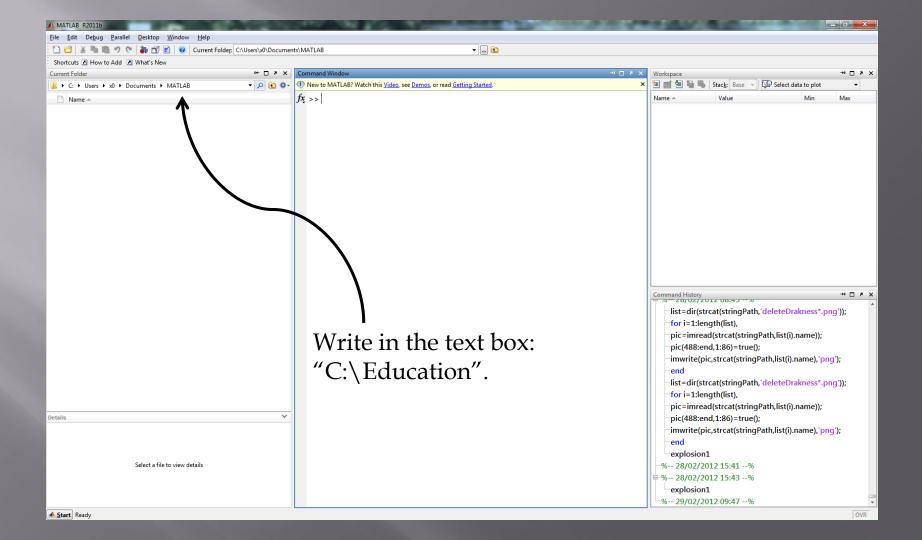
Quick Reference Guide for the Students.



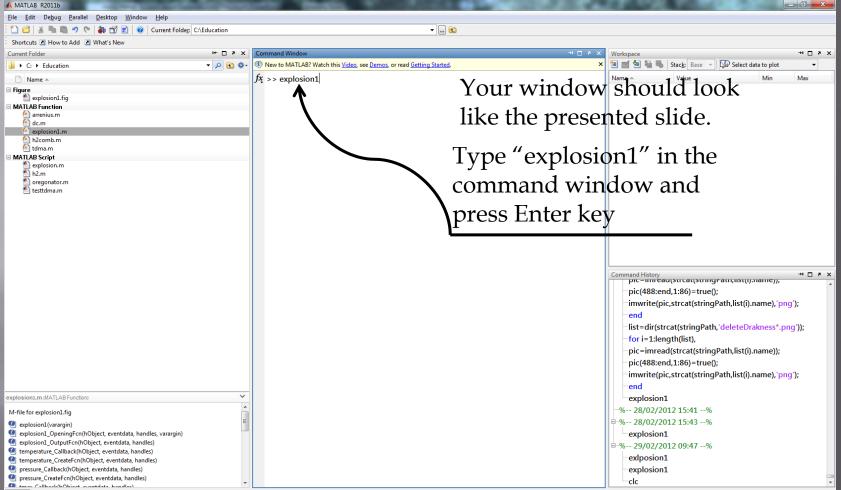
Press Windows 7 Icon and write in "matlab".

## Choose Matlab from the

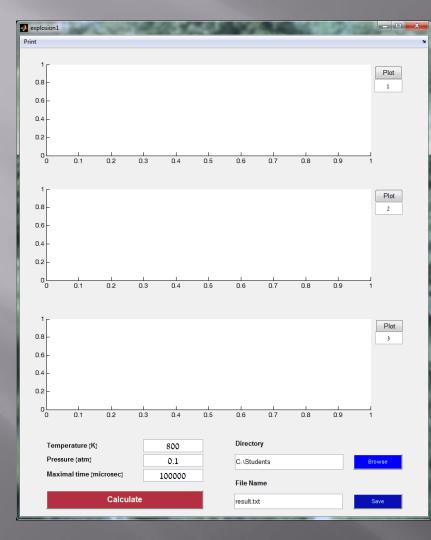
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Current Folder	Command Window → □ → ×	Workspace → □ ₹	×
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Select a file to view details		□ pic(483:end,1:80)=true(); □ imwrite(pic,strcat(stringPath,list(i).name),'png'); □ end □ explosion1 □ % 28/02/2012 15:41% □ % 28/02/2012 15:43% □ explosion1 □ % 29/02/2012 09:47%	
Start Ready			



A Start

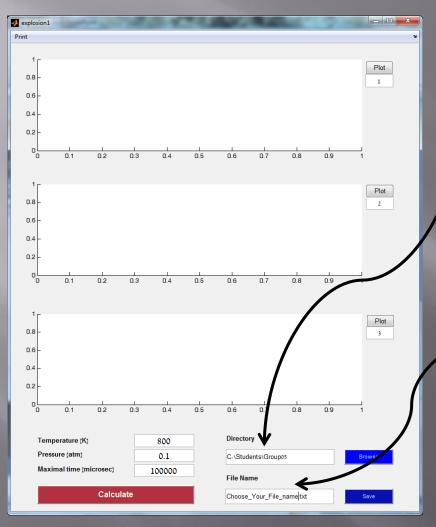


This is the simulation window that would calculate the differential equations that you have read about in the theoretical background.

## In the first use:

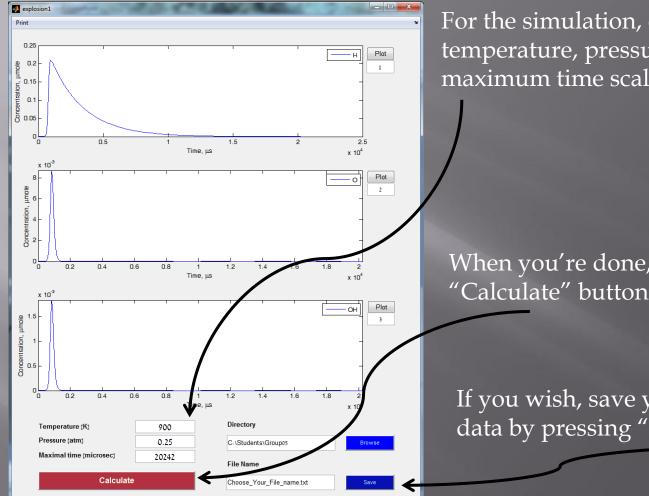
open windows explorer, navigate to "C:\Students" folder and open a folder for your group as such:

Compu	uter 🕨 Local Disk(c:) 🕨 Stude	ents 🕨	<b>- 4</b> ∳ Se	earch Students			× •	
Organize - Include	in library 🔹 Share with 👻	Burn New fold	ler				0	
☆ Favorites ■ Desktop ▶ Downloads ■ Recent Places	Name A		Date modified 29/02/2012 10:37	Type File folder	Size			
Libraries     Documents     Music     Pictures     Videos      Computer     Local Disk (C:)     Local Disk (D:)	For example we will work on "Group05" folder							
1 item								



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

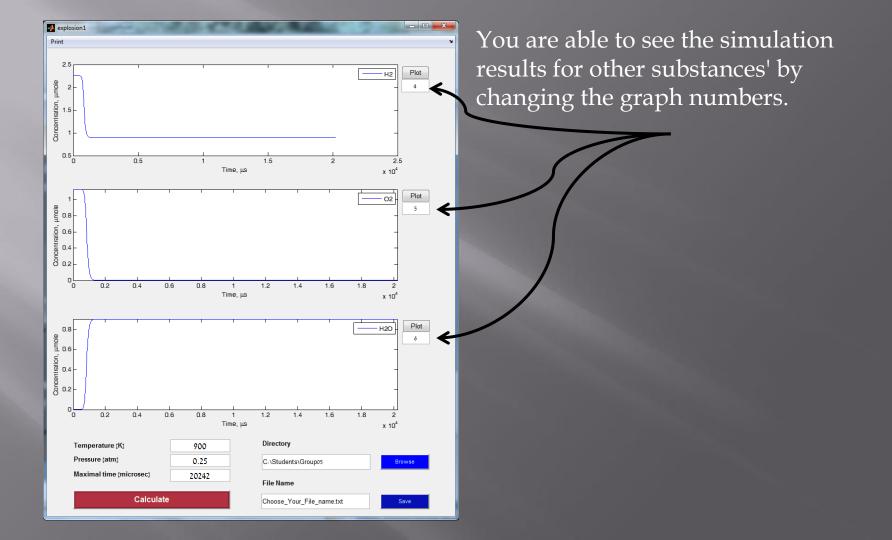
For each successful simulation, you are able to save your data to a text file.



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.



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

## End