

## How to create and run Miranda programs

on the Computer Science servers (e.g by using a Unix terminals in the computing labs on the 3<sup>rd</sup> Floor of Erie Hall)

REVISED August 2015

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1. You can only do the following if you have activated your University of Windsor computer account. If you have not activated your account than use any web browser on your PC or use a browser on a teaching assistants terminal and go to the URL “www.uwindsor.ca/userid” to activate your computer account. If you have a problem, ask the instructor of your course or go to one of the CS technicians, or the Information Technology Services Centre, and ask for help at the help desk
2. Sit at one of the Unix terminals and check to see if the screen is the “login” screen.
3. When the login screen appears, type in your login ID and password
4. Use the mouse to click on an empty area on the screen and select “in terminal” from the drop down menu.
5. In the Terminal window type “gedit test.m &” (without the quotes). A new window will appear. Move the window so that it does not cover the first window. Do this by clicking on the top bar in a clear area and drag the window. The “&” at the end of the Unix command will allow you to enter more commands in the “Terminal” window later.
6. You can now write a program in the new “test.m” file by typing the following in the gedit window:

```
hello = “hello there”
```
7. Now click on the “Save” button at the top of the gedit window.
8. Now type “mira test.m” without quotes **in the terminal window**. The Miranda runtime environment will start up and “take over” the terminal window and will compile the program in the file “test.m”.
9. Type “hello” into the Miranda window. If you have done everything correctly, then the computer will respond with “hello there”
10. You can now go back to the gedit test.m editor window and add new definitions to the file “test.m”. For example, try adding

```
myname = “your name here”
```
11. Then click on “Save” at the top of the window.

12. Now activate the **Miranda environment window** by clicking on it. Then type `“/f %”` (without the quotes) to recompile the test.m file – `“/f %”` is a Unix-like command meaning reload the last file loaded.
13. Now try entering `“myname”` (without quotes) followed by the return key in the Miranda window.
14. Experiment by adding programs, one at a time, to test.m and saving them. Then recompile them and run the programs in the Miranda window.
15. Later, you will learn how to create directories for organizing your files. For now just experiment with the editor by adding new definitions to test.m and running them as described above.
16. You can exit the gedit window by clicking on the orange x at the top of the window. You can exit the Miranda environment window the same way.
17. You can logout of the system by clicking on the system icon (top of the screen) and then select `“logout”` from the drop down menu.