**Writing a program in Raspbian**

Go to command line, then:

1. Type **nano** for text editor
2. Type the program into the text editor
3. **CTRL+O** when you are ready to save the file
4. Enter file name (Example: prog3a) and end it with the extension .s
5. **CTRL+X** to exit out of nano
6. To Assemble the program, type:
   * **as -o [file name].o [file name].s**
   * Example: as -o prog3a.o prog3a.s
7. To Link the program, type:
   * **ld -o [file name] [file name].o**
   * Example: ld -o prog3a prog3a.o
8. To Execute the program, type:
   * **./[file name]**
   * Example: ./prog3a
9. To view the results of execution, type:
   * **echo $?**