ASSEMBLER PROGRAMMING IN RASPBIAN

# Objectives

* Become familiar with Assembler instructions to manipulate registers at low level programming
* Become familiar with development tools for building executable images from Assembler coding

# Pre-lab

The following activities provide testing ASM code for you to assemble, compile and run on the Raspberry Pi. Test each of the sample programs provided on your assigned device. All ASM codes are available on GitHub on the following link: <https://github.com>.

* Activity 1. Program that returns an Exit code
* Activity 2. Hello, World!
* Activity 3. Arithmetic with integer variables
* Activity 4. Arithmetic with integer variables, version 2
* Activity 5. Passing parameters by value
* Activity 6. Passing parameters by reference
* Activity 7. Using the C-function *scanf()* for User input
* Activity 8. Pausing the program using the *sleep()*/*usleep()* C functions
* Activity 9. Recursive Towers of Hanoi
* Activity 10. Blinking LED