Lab 4

# Purpose

The purpose of this lab is to familiarize yourself with assembly programming. This is the lowest level of programming that we can do to be able to control and manage a piece of hardware.

# Objective

This lab provides the student with the following:

* Exposure to a simple Generic CPU model and how to program to it (a continuation of model from Lesson 7)
* Exposure to the Motorola 6808 Development board, programming environment and how to run 6808 assembly code in the lab

# Procedure

Using the Generic CPU and its instruction set from Lesson 7 write the assembly program to perform the following task. Note that the instruction set for this generic CPU can be found on slides 9, 12 and 17 of Lesson 7.