

# CSE 232

## Systems Programming

2017 Spring

### Labwork Assignment 1

Last Submission Time: End of lab hour

#### Purpose of This Labwork

This Labwork is designed to introduce you with the Motorola 6800 assembly language and its programming environment. You will do basic arithmetic operations using the SDK6800 as your integrated development environment (IDE).

Write a Motorola 6800 assembly language program which computes the following equation:

$$f(x) = 4x + 5$$

The value of  $x$  will be in memory address **100H**. At the beginning of your code, put appropriate instructions to save the test input for  $x$  into **100H**. Write the result into **200H**.

#### SUBMISSION

Enroll the CSE 232 Coadsys page if you did not. Save your assembly program as “**nameLastName\_ID\_labwork1.asm**” respectively. Submit your work using your Coadsys account.