

# CSE 232

## Systems Programming

2017 Spring

### Assignment 2

Last Submission Time: 5.3.2017, 23:45

#### Purpose of This Assignment

This Assignment is designed for enabling you to practice on loop structures with an M6800 assembly language program.

- You will build your implementation using your code for previous assignment.
- In assignment 1, your design included a number which has 4 bits only. Now, you will convert a binary number, which can have any number of binary digits, to its hexadecimal equivalent. The input binary number can be composed of only 1's. The number of bits will be specified in memory address 100H.
- Convert the number whose number of bits is specified in address 100H to its hexadecimal equivalent and store it in address 200H.
- Example: If the number of digits specified in 100H is 5, then the binary number is 11111, whose hexadecimal equivalent is 1F.

#### SUBMISSION

Enroll the CSE 232 COADSYS page if you haven't done yet. Submit your assignment with the name "**nameLastNameID\_assignment2.asm**" using COADSYS.