



**CSE341: Microprocessors**  
**Department of Computer Science and Engineering**

**Deadline: 9 pm on 09/11/2021**  
**Assignment 01**

**Task 01**

Add two numbers, then add two other numbers. Swap the two results using **ADD/SUB** instructions only.

**Task 02**

If A, B, C and D are 4 non zero variables, each of 1 byte size, perform the given mathematical operation

$$\mathbf{D = D + (C - A) + B}$$

**Task 03**

If W, X, Y and Z are 4 non zero variables, each of 1 byte size, then perform the given mathematical operation

$$\mathbf{W = (Z * Y) / (Y * X * W) / (W * Z)}$$

**Task 04**

Perform the following arithmetic operation:  $(7 * 6) + (4 - 1) + (6 - 1 + 8) - (4 / 1)$