

## LAB 2

### Individual/independent

#### 1. Converting from Big Endian to Little Endian

Write a program that uses the variables below and MOV instructions to copy the value from bigEndian to littleEndian, reversing the order of the bytes. The number's 32-bit value is understood to be 12345678 hexadecimals.

#### 2. Arithmetic Operation

Write assembly program to compute the following mathematical equation.

$$R = -X + (Y - Z)$$

$$X = 26$$

$$Y = 30$$

$$Z = 40$$