AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

Department of Computer Science and Engineering
Program: Bachelor of Science in Computer Science and Engineering
Fall 2019   Year: 2nd Semester: 2nd
Course No: CSE 2214   Course Title: Assembly Language Programming

Assignment on Introduction to IBM PC Assembly Language

Read the "Assignment Submission Guideline" from Google Classroom for detailed instruction on the assignment submission process. Also note that only the submissions submitted within the deadline time will be accepted and evaluated based on oral examination in the next class.

Questions

1. Write a program to input an uppercase letter and display its corresponding lowercase letter.

2. Write a program to read two decimal digits whose sum is less than 10 and display them and their sum in the next line with appropriate message.

3. Using only MOV, ADD, SUB, INC, DEC and NEG, translate the following high level language assignment statements into assembly language. A, B, and C are word variables.
   a. $A = B - A$
   b. $A = -(A + 1)$
   c. $C = A + B$
   d. $B = 3 \times B + 7$
   e. $A = B - A - 1$