



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

**Assignment 04 (Lab 05)**

**Task 01**

Write a program which takes in two numbers and finds all the numbers that are divisible by 3 within that range.

**Task 02**

Find the sum of the following sequence using loops and keep the result in the AX register.

a.  $1 - 3 + 5 - 7 + 9 - \dots + 505$

**Task 03**

Take 2 numbers from the user. Print the multiplication table of the first number up to the second number (Ignore double digits).

Sample Input:

2

4

Sample Output:

2

4

6

8

**Task 04**

Write a program that will prompt the user to enter a hex digit character ("0" ... "9" or "A" ... "F"), display it on the next line in decimal, and ask the user if he or she wants to do it again. If the user

types "y" or "Y", the program repeats; if the user types "n" or "N" the program terminates. If the user enters an illegal character, prompt the user to try again

**Sample execution:**

**ENTER A HEX DIGIT: 9**

IN DECIMAL IT IS 9

**DO YOU WANT TO DO IT AGAIN? : y**

**ENTER A HEX DIGIT: c**

ILLEGAL CHARACTER, INSERT AGAIN: C

IN DECIMAL IT IS 12

**DO YOU WANT TO DO IT AGAIN? : N**