



CSE341: Microprocessors
Department of Computer Science and Engineering

Assignment 04 (Lab 05)

Task 01

Write a program which takes in two 16 bit numbers and finds the total sum of all the numbers that are divisible by 5 within that range.

Task 02

Find the sum of the following sequence using loops and print the result.

$$0 + 2 + 2 + 4 + 6 + 10 + 16 + 26 + 42 + 68 + 110$$

Task 03

Write a program which stores a large number in BX, stores another smaller number in AX. Now ask whether the user wants to divide or multiply. If the user wants to divide, then perform BX / AX using repeated subtraction and print the final remainder. And if the user wants to multiply then perform $BX * AX$ using repeated summation and print the final result. You will not be able to use the “DIV” or the “MUL” function here. And you do not have to take overflow into account i.e. the test cases should be done without using any numbers which can cause overflow.