CSE 341 Lab Assignment 2 (Week 3)

Solve the following problems using your EMU – 8086 emulator.

1. Take the character input ‘&’ and display it. Also, display the message, “This is my first message using assembly!”
2. Perform addition of two hexadecimal numbers, 3h and 4h, by taking these as inputs from the user. You must display the appropriate messages when taking inputs (“Enter num1:” and “Enter num2”) and showing the output(“The result is:”)
3. Write a program to read one of the hex digits A-F, and display it on the next line in decimal. Sample execution: ENTER A HEX DIGIT: B IN DECIMAL IT IS 11
4. Write a program to:

(a) Display a "?"

(b) Read two decimal digits whose sum is less than 10

(c) Display them and their sum on the next line, with an appropriate message. Sample execution:

The sum of 3 and 5 is 8