CSE 331L / EEE 332L

Microprocessor Interfacing & Embedded System

Section: 5 & 6, Summer 2020

Lab- 02: Functions



- 1. Write a program in assembly language that will
 - a) Take 1 single-key input
 - b) Display a space on screen after the input (Hint: ASCII value for 'space' is 20h)
 - c) Display the input taken earlier using the single-key output function

Sample input & output

EE

- 2. Write a program in assembly language that will
 - a) Take 2 single-key inputs
 - b) Insert a space on screen after the inputs (Hint: ASCII value for 'space' is 20h)
 - c) Display the inputs using the single-key output function

Sample input & output (screen should look like this after you run the code)

k2 k2

- 3. Write a program in assembly language that will
 - a) Take 2 single-key inputs, display the inputs in reverse order.

Sample input & output (screen should look like this after you run the code)

4FF4

c) Take 3 single-key inputs, display the inputs in reverse order. A space should separate the inputs and outputs

Sample input & output (screen should look like this after you run the code)

4eF Fe4