

National University of Computer and Emerging Sciences



Lab Manual 07 Computer Organization and Assembly Language Lab

Course Instructor	Miss Aleena Ahmed
Lab Instructor (s)	Maham Saleem
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Department of Computer Science
FAST-NU, Lahore, Pakistan

Lab Manual – String Operations & Software Interrupts

Exercise 1[Scroll Up and Down]: Write a program that scrolls the introduction screen 3 rows up and 3 rows down in an infinite loop without using any data of screen. Use Delay of 1 second between scroll up and scroll down.

Exercise 2: Your task is to get two keystrokes using keyboard interrupt number 0x16 one after the other. On the first keystroke, regardless of which key is pressed, you should clear the screen. The following should be done on second keystroke:

- If you press 'a', your program should display "Hi, You pressed a".
- If you press 'b', your program should display "Hi, You pressed b".
- For any other case your program should display "Hi, You entered wrong credentials".
- After two keystrokes, your program should terminate.