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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| final design | **Course:** | **COAL Lab** | **Code:** | **EL213** |
| **Program:** | **BS (Computer Science)** | **Semester:** |  |
| **Duration:** | **20 minutes** | **T. Marks:** | **10** |
| **Date:** | **29-11-22** | **Weight** | **5** |
| **Section:** |  | **Page(s):** | **1** |
| **Exam:** | **Quiz 3** |  |  |

Instructions/Notes:

* Use of the internet, notes, codes, lab manuals, and flash drives is strictly prohibited.
* You are only allowed to use the hard copy of book.
* Submit questions on Google Classroom as well.
* Your code should be **intended** and commented properly. Use meaningful label names.
* It is your responsibility to save your code from being copied. All matching codes will be considered cheating cases. PLAGIARISM will result in forwarding of case to Disciplinary Committee and negative marks in Lab Final.

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**Question 1: Marks 10**

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 the 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 the sswrong credentials”.
* After two keystrokes, your program should terminate.