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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:** | **90 minutes** | **T. Marks:** | **25** |
| **Date:** | **10-25-22** | **Weight** | **25** |
| **Section:** | **3G1, G2** | **Page(s):** | **1** |
| **Exam:** | **Lab midterm** |  |  |

**Instructions/Notes:**

* The paper is open notes and open book but the use of the internet, codes, lab manuals, and flash drives is strictly prohibited.
* Submit both 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 Mid.

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**Question # 1: 10 marks**

Write a program to find the maximum number and the minimum number from an array of ten numbers. Save the maximum and minimum number in any two registers.

Sample Array: 7,4,8,2,7,7,9,5,6,1



**Question # 2: 15 marks**

Write a function “drawrect” that takes four parameters via a stack. The parameters a,re top, left, bottom and right in this order. The function should display a rectangle on the screen using the characters + - and |.

**Best of Luck!**