**Bahria University, Lahore Campus**

Department of Computer Sciences

Lab Journal 06

**(Spring 2023)**

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| Course: | **Computer Architecture & Organization Lab** |  |
| Course Code: | CEL 221 | Max Marks: 15 |
| Faculty’s Name: | Maryam Munawar | Lab Engineer: |

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Enroll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Lab Tasks:

### Task1: 5 Minutes

Prompt the user for a number n, 0 < n < 100. Print out the smallest number of coins (quarters, dimes, nickels, and pennies) which will produce n. For example, if the user enters "66", your program should print out "2 quarters, 1 dime, 1 nickel, and 1 penny".

### Task2: 5 Minutes

## Implement a subprogram that prompt the user for 3 numbers, finds the median (middle value) of the 3, and returns that value to the calling program.

### Task3: 5 Minutes

Implement a subprogram that prompts a user to enter values from 0..100 until a sentinel value of -1 is entered. Return the average of the numbers to the calling program.

**Lab Grading Sheet :**

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| --- | --- | --- | --- |
| **Task** | **Max Marks** | **Obtained Marks** | **Comments(*if any*)** |
| a. | 5 |  |  |
| b. | 5 |  |  |
| c. | 5 |  |  |
|  |  |  |  |
| **Total** | **15** |  | **Signature** |

**Note : Attempt all tasks and get them checked by your Instructor**