Bahria University,

Karachi Campus

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COURSE: CSL 221 Data Structures & Algorithms

TERM: FALL 2021, CLASS: BSE- 3 (B)

Submitted By:

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(Name) (Reg. No.)

Submitted To:

Engr. LARAIB SIDDIQUI / Engr. AYESHA KHAN

Signed Remarks: Score:

INDEX

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| SNO | DATE | LAB NO | LAB OBJECTIVE | SIGN |
| 1 | 22/10/21 | 01 | One and Two Dimensional Arrays |  |
| 2 | 28/10/21 | 02 | Linear Search & Sorting Algorithms |  |
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LAB EXPERIMENT NO.

\_\_\_\_**2**\_\_\_\_\_

LIST OF TASKS

|  |  |
| --- | --- |
| TASK NO | OBJECTIVE |
| **1** | **Which type of sorting you want to apply? Create a menu having the following options:**   * 1. **Bubble Sort Method**   2. **Selection Sort Method**   3. **Insertion Sort Method**   **Implement using methods.** |
| **2** | **Implement Selection sort and print string array data in descending order.** |
| **3** | **A Detox chemical Industry has a list of chemicals along with their concentration and Volume. Your task is to list down the name of chemicals in descending order based on their Volume. In order to fulfil the task you have to select any of the sorting method taught in todays lab with proper reasoning of usage of that algorithm.** |
| **4** | **You have to write a program which take input from the user and place the value on correct location in ascending order.** |
| 5 | Write a program which take N numbers of grocery items from user along with their price. Your main task is to display the items in sorted format. Then allow user to search for any of the item from that list by using name of the item. |

Submitted On:

\_\_\_\_28/10/2021\_\_\_\_

(Date: DD/MM/YY)