

Name: \_\_\_\_\_

Student ID #: \_\_\_\_\_



**Sukkur IBA University**  
**Kandhkot Campus**  
**Mid Examinations**  
**Fall 2022**

**Course:** Data Structures Lab

**Date:** 16<sup>th</sup> November 2022

**Instructor:** Syed Muzamil Hussain Shah

**Class:** BS (CS/SE) – III

**Time:** 1.5 hours

**Marks:** 10+5 Marks

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**General Instructions:**

The following lab task is of 10 marks and 5 marks are on viva.

You can use the previous Doubly LinkedList code and add at least five nodes ie. A, B, C, D, E.

**Question 01 [10] Lab**

1. Create a method that counts the total number of duplicates in the doubly LinkedList. Please handle all cases of the problem.