

**Lab Final Examination: Fall-2024**  
**Course Code: CIS 122L (Batch: 19\_A)**  
**Course Title: Data Structure Lab**  
**Date: 14/12/2024**

**Time: 1 Hour**

**Total Marks: 40**

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1. Implement a stack in C using an array. The program should include both Push and Pop operations, as well as a function to display the elements of the queue. [20]
  2. Consider an array M that contains 10 integers (the numbers are provided by the user). Now, implement a C program that splits the array M into two arrays based on even and odd indices. [Assume that the values at odd indices are stored in array A, and the values at even indices are stored in array B] [20]

Additionally, calculate the sum of the values in both arrays and compare the sums to determine which array has the greater total.