

CS2023 - Data Structures and Algorithms

In Class Lab Exercise

Week 06

Index Number : 200105F

Question 01

https://github.com/UlinduP/CS2023/blob/main/Lab%206/array_implementation_of_stack.cpp

Question 02

https://github.com/UlinduP/CS2023/blob/main/Lab%206/linked_list_implementation_of_stack.cpp

Question 03

<https://github.com/UlinduP/CS2023/blob/main/Lab%206/main.cpp>

In each iteration random integers are pushed into the stack. But in a given iteration the values pushed are same for both implementations. I could not see a significant variation between the time taken by both methods.

The following graph shows the time taken in 10 iterations.

