

CS2x1: Main Quiz#1: Part 2 [Assignment] Questions

[Autumn 2021-22]

Q.No	Description of the Implementation <i>[Note: All the requested below implementations shall be programmed using C]</i>	#Marks
Q1	Implement <u>Circular Singly Linked List</u> which performs the following operations: (i) Insert at the beginning (ii) Insert at the end (iii) Insert at the given position (iv) Delete from beginning (v) Delete from the end (vi) Delete from the given position (vii) Display	2.5
Q2	Implement <u>Stack using Queue</u> [by using <u>Singly Linked Lists</u>] <i>[Note: There might be different ways to implement Stack using Queue, we leave it to your choice, and operations of Stack will be verified during the evaluation of your program at our end]</i>	2.5
Q3	Implement <u>Queue using Stack</u> [by using <u>Singly Linked Lists</u>] <i>[Note: There might be different ways to implement Queue using Stack, we leave it to your choice, and operations of Queue will be verified during the evaluation of your program at our end]</i>	2.5

Instructions for submission:

1. Submit only .c files of all the questions.
2. Filename should be <roll_no>_Q<no>.c (e.g., 200010001_Q1.c)
3. Make a zip of all 3 questions "c" files and submit only one zip file.
4. Please follow the naming convention, otherwise a 5% penalty will be imposed. In addition, there will be a penalty on the findings of plagiarism.
5. Due date for submission : 27th September 2021
6. Cut of date for submission: 6th October 2021 with 0.5 Mark penalty