Inputs and Outputs of Codes (Lab-11)

Linked-List (1) :- Data structure for Students

Input	Output
Create a student details :-	
Enter name :- Ravi Enter roll number :- 51 Enter age :- 19 Enter branch :- DSAI	---------- Name | Roll | Age | Branch ---------- Ravi | 51 | 19 | DSAI
Insert new student details :-	
Enter name :- Rudra Enter roll number :- 101 Enter age :- 18 Enter branch :- CSE	---------- Name | Roll | Age | Branch ---------- Ravi | 51 | 19 | DSAI Rudra | 101 | 18 | CSE
Delete student details :-	
Enter the roll no. of the student to delete :- 101	---------- Name | Roll | Age | Branch ---------- Ravi | 51 | 19 | DSAI

Linked-List (2a) :- Concatenate two given list

Output	Input
Create first Linked-List :-	
Enter the number of elements in the first linked list :- Enter the element 1 :- Enter the element 2 :- Enter the element 3 :-	3 34 67 90
Create second Linked-List :-	
Enter the number of elements in the second linked list :- Enter the element 1 :- Enter the element 2 :-	2 13 57
Concatenated List :-	
List 1: 34 -> 67 -> 90 -> NULL List 2: 13 -> 57 -> NULL Concatenated List: 34 -> 67 -> 90 -> 13 -> 57 -> NULL	

Linked-List (2b) :- Linked-list in sorted order

Output	Input
Unsorted List :-	
Enter the number of elements :- Enter the 1 element :- Enter the 2 element :- Enter the 3 element :- Enter the 4 element :-	4 45 12 7 31
Sorted List :-	
Sorted Linked List :- 7 -> 12 -> 31 -> 45 -> NULL	

Linked-List (2b) :- Queue (First-In-First-Out)

Output	Input
Enqueue :-	
Enter the number of elements to enqueue :- Enter the element 1 :- Enter the element 2 :- Enter the element 3 :- Enter the element 4 :-	4 54 24 87 12
Dequeued elements :-	
Queue: 12 -> 87 -> 24 -> 54 -> NULL Dequeued elements :- 54, 24	