

LAB	PRACTICAL
1.	Given an array arr[] of n integers and a target value, the task is to find whether there is a pair of elements in the array whose sum is equal to target .
2.	<p>Given an array arr[] of n integers where arr[i] represents the number of chocolates in ith packet. Each packet can have a variable number of chocolates. There are m students, the task is to distribute chocolate packets such that:</p> <ul style="list-style-type: none"> • Each student gets exactly one packet. • The difference between the maximum and minimum number of chocolates in the packets given to the students is minimized.
3.	<p>Given a matrix mat[][] of size m x n, the task is to print all elements of the matrix in spiral form.</p> <div style="text-align: center;"> <p>Matrix:</p> <pre> 1 → 2 → 3 → 4 5 → 6 → 7 8 9 10 ← 11 12 13 ← 14 ← 15 ← 16 </pre> <p>Output: 1, 2, 3, 4, 8, 12, 16, 15, 14, 13, 9, 5, 6, 7, 11, 10</p> </div>
4.	Implement a Stack using Queues.
5.	Check balanced parenthesis using stack.
6.	Implement a Queue using Stacks.
7.	Reverse a Queue using Recursion.
8.	Convert singly linked list into circular linked list
9.	Find Middle of the singly Linked List.
10.	Check if a Doubly Linked List is Palindrome.