1. Take the Singly linked-list class from Github.   
   Link: <https://github.com/phitronio/Data-Structure-Batch2/blob/main/Week%204/Module%2013/1.cpp>

Add the following functions to the class.

* **int getValue(index)** -> This function will return the value present in the input index. If the index is greater or equal to the size of the linked-list return -1.

Sample Input: [3, 2, 6, 4, 5], index: 0

Sample Output: 3

* **void deleteZero()** -> This function will delete all the nodes that have data=0.

Sample Input: [0, 2, 0, 0, 5]

Sample Output: Singly linked list containing the elements [2, 5]

* **int getOddIndexSum()** -> This function will return the sum of all odd indexed nodes.

Sample Input: [3, 2, 6, 4, 5]

Sample Output: 6

Explanation: Odd indexed nodes are 2 and 4. 2+4 = 6.

* **bool hasDuplicate()** -> This function will return true if the linked list contains two nodes that contain the same data.

Sample Input: [3, 2, 6, 3, 5]

Sample Output: True

1. Take the Doubly linked-list class from Github.   
   Link: <https://github.com/phitronio/Data-Structure-Batch2/blob/main/Week%204/Module%2014/1.cpp>

Add the following functions to the class.

* **void deleteMid()** -> This function will delete the middle element from the linked list. Middle element = floor(size / 2).

Sample Input: [1, 2, 3, 4, 5]

Sample Output: Doubly linked list containing the elements [1,2,4,5]

Sample Input: [1, 2, 3, 4]

Sample Output: Doubly linked list containing the elements [1,2,4]

* **int getMax()** -> This function will return the maximum value present in the linked list.

Sample Input: [3, 2, 6, 4, 5]

Sample Output: 6

* **void deleteMax()** -> This function will delete the maximum value present in the linked list. If there are multiple nodes with the maximum value then it will delete all of them.

Sample Input: [3, 2, 6, 4, 5, 6]

Sample Output: Doubly linked list containing the elements [3,2,4,5]