

Homework Solutions of 8th April 2023

Q1 Write a destructor to delete a node in linked list.

```
class Node {  
    public :  
        int data ;  
        Node * next ;  
        // Constructor  
        Node (int data) {  
            this -> data = data ;  
            this -> next = NULL ;  
        }  
        // Destructor  
        ~Node ( ) {  
            int val = this -> data ;  
            // Memory free  
            if (this -> next != NULL) {  
                delete next ;  
                this -> next = NULL ;  
            }  
            cout << "memory free for node  
            with data" << val << endl ;  
        }  
};
```