Design a custom singly linked list which supports following operations.

1. add(X) — Add element X at the end of the list.
2. add(X, i) – Add element X at index i
3. remove(X) — Remove all occurrence of X from the list
4. list() — Display all elements.
5. reverse() — Reverse the linked list.

**Marks distribution:**

1. Basic structure of classes [10]
2. Implementation of add(X) [5]
3. Implementation of add(X,i) [5]
4. Implementation of remove(X) [5]
5. Implementation of list() [5]
6. Implementation of reverse() [10]