Doubly Linked List

IBM18CS050

M.S. SATHWICK KIRAN

```cpp
#include <bits/std c++.h>
#include <int types.h>

void insert Beg (Node ** head, int data)
{
    Node * new_node = new _Node ();
    new_node -> data = data;
    new -node -> npx = * head;
    if (* head != Null) (* head) -> npx = XOR (new_node,
        (* head -> npx);
            * head = new_node;
}
        void insert End (Node * head, int data) {
        Node * new_node = new Node ();
        new _node -> data = data;
        if (* head == NULL) {
            new_nod -> nxp = * head;
            * head = new_node;
        }
```

```
else {
    Node   *curr = *head;
    Node   * prev = NULL;
    Node * next;
    while (XOR (prev , curr → npx) ! = NULL)
    {
        next = XOR (prev , curr → npx);
        prev  = curr;
        next_node → npx  = curr;
        curr → npx = XOR (prev , new node );
    }
}
```