

Sumanth. kv
IBM18C5112.

```
void insertBegin ( Node **head , int data) {  
    Node *new-Node = new Node();  
    new-Node->data = data;  
    new-Node->link = *head;  
    if (*head != NULL) {  
        (*head)->link = XOR (new-Node,  
                               (*head->link));  
    }  
    *head = new-Node;  
}
```

```
void insertEnd ( Node **head , int data) {  
    Node *curr = *head;  
    Node *prev = NULL;  
    Node *next;  
    while (curr != NULL) {  
        next = XOR (prev, curr->link);  
        prev = curr;  
        curr = next;  
    }  
    Node *new-Node = new Node();  
    new-Node->data = data;  
    prev->link = XOR (new-Node, prev->link);  
    new-Node->link = XOR (NULL, prev);  
}
```