20191631 윤민상

<1번>

```
void MoveFirstLast(){
    Node *p = head;
    Node *q;
    while (p->next != 0) {
        q = p;
        p = p -> next;
    }
    Node *temp = new Node;
    temp -> data = p -> data;
    temp -> next = head;
    head = temp;
    q -> next = 0;
    delete p;
}
```

<2번>

```
void insert(char data){
    Node *temp = new Node(data);
    Node *p, *q;
    p = head;
    while(p -> next != 0){
        q = p;
        p = p -> next;
    }
    q -> next = temp;
    temp -> next = p;
}
```

<3번>

```
void removeMAX() {
    int num = head->data;
    Node* p = head;
    Node* q = 0;
    Node* r;
    while (p->next != 0) {
        p = p->next;
        if (num < p->data) {
            num = p->data;
        }
    }
    p = head;
    r = p -> next;
    while (p->data != num) {
        q = p;
        p = p -> next;
        r = r-> next;
    }
    q -> next = r;
    delete p;
}
```

<4번>

```
void insert_last(int d) {
    Node *temp = new Node(d);
    if (head == 0) {
        head = temp;
    }
    else {
        Node* p = head;
        while (p->next != 0) {
            p = p->next;
        }
        p->next = temp;
        temp->prev = p;
    }
    current = temp;
}


void locate_current(int n) {
    if (isEmpty()) {
        cout << "list is empty" << endl;
    }
    else if (len() > n) {
        Node *p = head;
        int count = 1;
        while (count != n) {
            p = p -> next;
            count++;
        }
        cout << n << " *    " << p->data << endl;
        current = p;
    }
    else {
```

```
        cout << "no such a line" << endl;
    }
    cout << endl;
}
```

<5번>