1.

a)

aList first mySize = 6 → 9 → 17 → 22 → 20 → 26 → 34
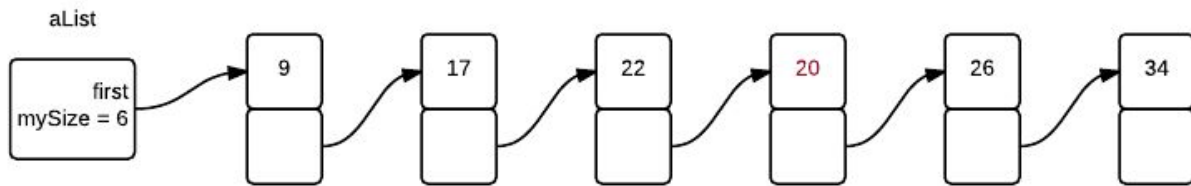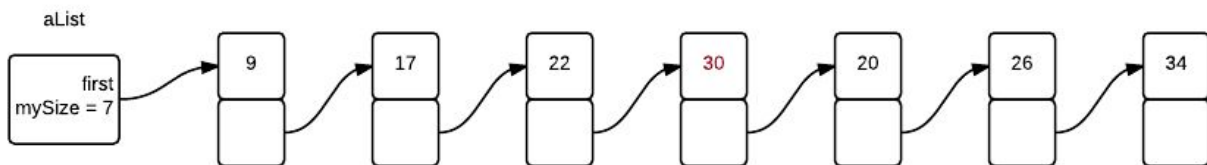
b)

aList first mySize = 7 → 9 → 17 → 22 → 30 → 20 → 26 → 34

2. Output below

```
100
Illegal location: 2
300 100
300 100 400
```

3. Consider the Linked Lists files available on iLearn (LinkedList.h, LinkedList.cpp and Sample_LinkedList_Tester.cpp). Write a member function to find the sum of the values in a linked list (10 points).

```
int LinkedList::sumOfList()
{
    ElementType total = 0;
    Node * ptr = first;

    if(ptr == NULL)
        return total;

    while(ptr != NULL)
    {
        total += ptr->data;
```

```
        ptr = ptr->next;
    }

    return total;
}
```