

## Linked List Operations

## Assignment

Use following ListNode struct :

```
struct ListNode
{
    int value;
    struct ListNode *next;
};
```

- 1) Use a repetition loop to create a linked list of 5 numbers (ask user to enter the numbers) .
- 2) Display the values of the list.
- 3) Add a node at beginning of the list, display the list.
- 4) Add a node at end of the list, display the list.

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An example of program output

```
Enter a number: 6
Enter a number: 0
Enter a number: 2
Enter a number: -5
Enter a number: 7
6
0
2
-5
7
```

Press any key to continue . . .

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Notes

- After the first node is created, a head pointer should points to the list
- Use a tail pointer, this makes appending nodes straight forward.
- Use a pointer to traverse a link list, and display the values.

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Submission

Submit your program with at least three test cases.