Stack using Linked List

```
#include<iostream>
using namespace std;

class Node
{
public:
    int data;
    Node* next;
};

void insertNode(Node** head, int data)
{
    Node* new_node = new Node();
    new_node->data = data;
    new_node->next = *head;     //Creates line in backward direction
    *head = new_node;           // Previous node is head
}

void display(Node* temp)
{
    cout << "Contents of Stack are: ";
    while (temp != NULL)
    {
        cout << temp->data << " ";
        temp = temp->next;
    }
}

int main()
{
    int ch, data;
    Node* head = NULL;

    do
    {
        cout << "\nEnter element to be pushed on stack::";
        cin >> data;
        insertNode(&head, data);
        cout << "\nWant to enter more? (1/0)..";
        cin >> ch;
```

```
    } while (ch == 1);

    display(head);

    cout << "\nPop all values from the stack: ";
    while (head != NULL)
     {
         int poppedValue = head->data;
         Node* temp = head;
         head = head->next;
         cout << poppedValue << " ";
        delete temp;
     }

    return 0;
}
```

OUTPUT:

```
Enter element to be pushed on stack::1
Want to enter more? (1/0)..1

Enter element to be pushed on stack::2
Want to enter more? (1/0)..1

Enter element to be pushed on stack::3
Want to enter more? (1/0)..0
Contents of Stack are: 3 2 1
Pop all values from the stack: 3 2 1
```