STACK AS SINGLE LINKED LIST

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

struct Node
{
	int value;
	Node *next;

	Node (int value)
	{
		this->value=value;
		this->next=nullptr;
	}
};

class Stack_Single_List
{
private:
	Node *head;
	Node *top;
	Node *tail;
public:
	Stack_Single_List():head(nullptr),top(nullptr),tail(nullptr)
	{}

	void push(int value)
	{
		Node *newnode=new Node(value);

		if(nullptr==head)
			tail=newnode;

		else
			newnode->next=head;

		head=top=newnode;
	}

	int pop()
	{
		if(top==nullptr)
			cout<<"Stack Underflow"<<endl;

		Node *temp=top;
		head=top->next;
		delete top;
		top=head;
		return temp->value;
	}

	void printForward()
	{
		for(Node *current=head; current; current=current->next)
			cout<<current->value<<"  ";
		cout<<endl;
	}
```

```
};

int main()
{
	Stack_Single_List s;
	int num;

	while(cout<<"enter the no to be entered in stack : ",cin>>num,num)
	{
		s.push(num);
	}

	cout<<"AFTER PUSH "<<endl;
	s.printForward();

	cout<<"AFTER POP "<<endl;
	s.pop();
	s.pop();
	s.printForward();
}
```