#include <iostream>

#include <string.h>

#include <conio.h>

using namespace std;

#define MAX\_SIZE 101

int Arr[MAX\_SIZE];

int top = -1;

void Push(int value)

{

if(top == MAX\_SIZE -1) // when Stack is full

{

cout << "Stack Overflow";

}

top = top + 1;

Arr[top] = value;

}

void Pop()

{

if(top == -1) // when Stack is empty

{

cout << "Stack is underflow";

}

top--;

}

int Top() // this method show the top of the stack

{

return Arr[top];

}

void Print()

{

cout << "Stack : ";

for(int a = 0; a <= top; a++)

{

cout << Arr[a] << " ";

}

cout << endl;

}

void main()

{

Push(1); Print();

Push(2); Print();

Pop(); Print();

Push(3); Print();

Push(5); Print();

Pop(); Print();

Push(6); Print();

Push(7); Print();

getch();

}