PUSH and POP in STACK

Write a C++ program to implement the POP and PUSH operation in Stack.

```cpp
#include <iostream>
#define MAX 5  // Maximum size of stack

using namespace std;

int top = -1;
int arr[MAX];

void push(int value)
{
    if (top == MAX - 1)
    {
        cout << "Stack Overflow! Cannot push " << value << "\n";
        return;
    }
    top = top + 1;
    arr[top] = value;
    cout << value << " pushed into stack\n";
}

void pop()
{
    if (top == -1)
    {
        cout << "Stack Underflow! Cannot pop\n";
        return;
    }
    cout << arr[top];
    top = top - 1;
    cout<< " popped from stack\n";

}
int main()
{
    int item;
    cout<<"Enter the element to push into stack";
    cin>>item;
    push(item);

    push(10);
    push(20);
    push(30);
    push(40);

   cout<<"Top element in stack is "<<arr[top]<<"\n";
    push(60);  // This should show overflow

    pop();
    pop();
    pop();
    pop();
    pop();
    pop();  // This should show underflow
    return 0;
}
```