

Program to Demonstrate user defined Exception

```
#include<iostream>
using namespace std;
class StackOverflow:exception{};
class StackUnderFlow:exception{};
class Stack
{
private:
    int *stk;
    int top=-1;
    int size;
public:
    Stack(int sz)
    {
        size=sz;
        stk=new int[size];
    }
    void push(int x)
    {
        if(top==size-1)
            throw StackOverflow();
        top++;
        stk[top]=x;
    }
    int pop()
    {
        if(top== -1)
            throw StackUnderFlow();
        return stk[top--];
    }
};
int main()
{
    Stack s(5);
```

```
s.push(2);  
s.push(3);  
s.push(4);  
s.push(10);  
s.push(9);  
s.push(8);
```

```
}
```