

MINSTACK

```
class MinStack

{
    private Stack<Integer> stack;
    private Stack<Integer> minstack;
    public MinStack()
    {
        stack=new Stack<>();
        minstack=new Stack<>();
    }

    public void push(int val)
    {
        stack.push(val);
        if(minstack.isEmpty() || val<=minstack.peek())
        {
            minstack.push(val);
        }
    }

    public void pop()
    {
        if(stack.peek().equals(minstack.peek()))
        {
            minstack.pop();
        }
        stack.pop();
    }
}
```

```
public int top()
{
    return stack.peek();
}

public int getMin()
{
    return minstack.peek();
}
```