

ASSIGNMENT- 6

```
① void push (int x)
{
    mainStack.push(x);
    if (mainStack.size() == 1)
    {
        trackStack.push(x);
        return;
    }
    if (x > trackStack.top())
        trackStack.push(x);
    else
        trackStack.push(trackStack.top());
}

int getMax()
{
    return trackStack.top();
}

int pop()
{
    mainStack.pop();
    trackStack.pop();
}
```

(2)

```
int min = data;
```

```
if (!minSt.isEmpty() && min > minSt.peek()) {  
    min = minSt.peek();  
}
```

```
}
```

```
st.push(data);
```

```
minSt.push(min);
```

```
}
```

```
st.push(data);
```

```
minSt.push(min);
```

```
}
```