```
Enter your choice
1. Push
2. Pop
3. Display
1
Enter the element to be pushed
10
Enter your choice
1. Push
2. Pop
3. Display
1
Enter the element to be pushed
20
Enter your choice
1. Push
2. Pop
3. Display
1
Enter the element to be pushed
30
Enter your choice
1. Push
2. Pop
```

```
Enter your choice
1. Push
2. Pop
3. Display
1
Enter the element to be pushed
40
Stack overflowEnter your choice
1. Push
2. Pop
3. Display
3
The stack elemements
30      20      10      Enter your choice
1. Push
2. Pop
3. Display
2
Poped element is 30
Enter your choice
1. Push
2. Pop
3. Display
3
```

```
3
The stack elemements
20       10        Enter your choice
1. Push
2. Pop
3. Display
2
Poped element is 20
Enter your choice
1. Push
2. Pop
3. Display
2
Poped element is 10
Enter your choice
1. Push
2. Pop
3. Display
2
Stack UnderflowEnter your choice
1. Push
2. Pop
3. Display
```