

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 1
Enter value to push ==> 10
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 1
Enter value to push ==> 20
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 1
Enter value to push ==> 30
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 1
Enter value to push ==> 40
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 3
Top of the stack==> 40
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 3
Top of the stack==> 40
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 4
Average value of stack elements ==> 22
```

```
1. Push
2. Pop
3. Top
4. Average
5. Exit
Enter your choice ==> 5
GOODBYEEE
```