TESTING STACK

```
daban@Dellitso MINGW64 /d/school/CCNY-CSC10300-IntroToComputing/ProjectFive
$ ./a.exe
**********TESTING CONSTRUCTORS AND MEMBER FUNCTION 'EMPTY'**********
---Test Bench: int stack created with default constructor (numbers) and value intialized string stack (
words)
---Expecting numbers-->empty == true && words-->empty == false
numbers-->empty returned : true
words-->empty returned : false
```

```
**********TESTING PUSH, TOP, SIZE**********
--Test Bench 1: -56, 77, 9, 0.6464, 2, 9.888
--Testing push, top, and size
Pushing -56
Expecting new size: 1
size: 1
Expecting top: -56
Top: -56

Pushing 77
Expecting new size: 2
size: 2
Expecting top: 77
Top: 77

Pushing 9
Expecting new size: 3
size: 3
Expecting top: 9
Top: 9

Pushing 0.6464
Expecting new size: 4
size: 4
Expecting top: 0.6464
Top: 0.6464

Pushing 2
Expecting new size: 5
size: 5
Expecting top: 2
Top: 2

Pushing 9.888
Expecting new size: 6
size: 6
Expecting top: 9.888
Top: 9.888
```

```
--Test Bench 2: hello, apple, steve jobs, artificial intelligence, dalitso
--Testing push, top, and size
Pushing hello
Expecting new size: 1
size: 1
Expecting top: hello
Top: hello

Pushing apple
Expecting new size: 2
size: 2
Expecting top: apple
Top: apple

Pushing steve jobs
Expecting new size: 3
size: 3
Expecting top: steve jobs
Top: steve jobs

Pushing artificial intelligence
Expecting new size: 4
size: 4
Expecting top: artificial intelligence
Top: artificial intelligence

Pushing dalitso
Expecting new size: 5
size: 5
Expecting top: dalitso
Top: dalitso

PASSED PUSH, TOP, SIZE TEST
**********TESTING POP**********
```

```
**********TESTING POP**********
--Testing pop with current word stack: dalitso, artificial intelligence, steve jobs, apple, hello
Popping dalitso
Expecting new size: 4
size after pop: 4
Expecting new top: artificial intelligence
Top: artificial intelligence

Popping artificial intelligence
Expecting new size: 3
size after pop: 3
Expecting new top: steve jobs
Top: steve jobs

Popping steve jobs
Expecting new size: 2
size after pop: 2
Expecting new top: apple
Top: apple

Popping apple
Expecting new size: 1
size after pop: 1
Expecting new top: hello
Top: hello

Popping hello
Expecting new size: 0
size after pop: 0

--Testing pop with empty stack
expecting: 'stack is empty!' exception
exception: stack is empty!

--Testing top with empty stack
expecting: 'stack is empty!' exception
exception: stack is empty!

PASSED POP TEST
```