

STACKS WORKSHEET ONE

Basics with using Stacks

Take a string of tokens and put each token in the stack. Then, print the contents of the stack on the screen. Finally, pop each item from the stack one by one until the stack is empty.

Sample Data :

```
a b c d e f g h i
1 2 3 4 5 6 7 8 9 10
# $ % ^ * ( ) ) _
```

Files Needed ::

```
StackTest.java
StackTestRunner.java
```

Sample Output :

```
[a, b, c, d, e, f, g, h, i]
```

```
popping all items from the stack
i h g f e d c b a
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
popping all items from the stack
10 9 8 7 6 5 4 3 2 1
```

```
[#, $, %, ^, *, (, ), ), _]
```

```
popping all items from the stack
_ ) ) ( * ^ % $ #
```

BASIC STACK CODE

```
Stack<Integer> s = new Stack<Integer>();
s.add(67);
s.add(34);
s.add(12);

out.println(s);    //outs [67, 34, 12 ]

out.println(s.pop());    //outs 12

out.println(s.pop());    //outs 34
```