

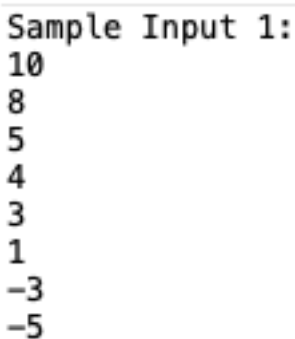
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Module 2 - Programming Assignment  
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Part A Pseudo code:

```
/**  
Create 2 stacks for storing inputs  
Push values onto mainStack  
While mainstack isn't empty  
    Store top of mainStack in tempInt  
    Pop mainStack  
  
    While tempStack isn't empty and top of tempStack is greater than tempInt  
        Push top of tempStack onto mainStack  
        Pop temp stack  
  
    Push tempInt onto tempStack  
  
Display tempStack  
**/
```

In this assignment, we were tasked with taking a stack with a given set of numbers in any order, and to sort them using a temporary stack, and output the numbers in the sorted order. This program is able to take any set of numbers in a stack, sorting them using a temporary stack, and then displays them in order.

Sample input 1 took in the values 1, 5, 3, -3, 4, 8, 10, -5, and displayed them in the correct order as shown by the screen shot.



```
Sample Input 1:  
10  
8  
5  
4  
3  
1  
-3  
-5
```

Sample input 2 took in the values 1, 5, -4, 6, 2, and displayed them in the correct order as shown by the screen shot.

```
<terminated> (exit value:  
Sample Input 2:  
6  
5  
2  
1  
-4
```

Sample input 3 took in the values -1, -4, -4, 6, 6, 9, and displayed them in the correct order as shown by the screen shot.

```
Problems Tasks  
<terminated> (exit value: 0)  
Sample Input 3:  
9  
6  
6  
-1  
-4  
-4
```