Sort a stack

Given a stack, the task is to sort it such that the top of the stack has the greatest element.

Example 1:

Input: Stack: 3 2 1 **Output:** 3 2 1

Example 2:

Input: Stack: 11 2 32 3 41 **Output:** 41 32 11 3 2

**Your Task: **

You don't have to read input or print anything. Your task is to complete the function **sort() **which sorts the elements present in the given stack. (The sorted stack is printed by the driver's code by popping the elements of the stack.)

Expected Time Complexity : O(N*N)

Expected Auixilliary Space : O(N) recursive.

```
def sorted(s):
# Code here
temp = []
ans = []
while len(s) > 0:
    val = s.pop()
    if not ans:
        ans.append(val)
    elif val > ans[-1]:
        ans.append(val)
    elif val<=ans[-1]:
        while len(ans) and val<=ans[-1]:</pre>
             tempVal = ans.pop()
             temp.append(tempVal)
        ans.append(val)
        while temp:
             ans.append(temp.pop())
for i in range (len (ans) -1, -1, -1):
    s.append(ans[i])
```