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1. 130. Write a program to perform the following
              An empty list
               A list with one element
           o A list with all identical elements
              A list with negative numbers
               Test Cases:
                   1. Input: []
                          ○ Expected Output: []
                   2. Input: [1]
                           Expected Output: [1]
                   3. Input: [7, 7, 7, 7]

    Expected Output: [7, 7, 7, 7]

                   4. Input: [-5, -1, -3, -2, -4]
                          o Expected Output: [-5, -4, -3, -2, -1]
Code:
def sort list(lst):
  return sorted(lst)
test cases = [
  []
  [1],
  [7, 7, 7, 7],
  [-5, -1, -3, -2, -4]
expected outputs = [
  [],
  [1],
  [7, 7, 7, 7],
  [-5, -4, -3, -2, -1]
1
for i, test case in enumerate(test cases):
  output = sort list(test case)
  expected = expected outputs[i]
  print(f"Input: {test case}")
  print(f"Expected Output: {expected}")
  print(f"Actual Output: {output}")
  print(f"Test {'Passed' if output == expected else 'Failed'}")
  print()
output:
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Expected Output: [1]
Actual Output: [1]
Test Passed

Input: [7, 7, 7, 7]
Expected Output: [7, 7, 7, 7]
Actual Output: [7, 7, 7, 7]
Test Passed

Input: [-5, -1, -3, -2, -4]
Expected Output: [-5, -4, -3, -2, -1]
Actual Output: [-5, -4, -3, -2, -1]
Test Passed
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Time complexity:f(n)=0(n)