Source Code:

lst = [5, 1, 6, 8, 754, 22, 4, 1, 5, 453, 54, 7, 8, 6, 69, 345, 98, 420]  
  
  
def insertion\_sort(lst):  
 for j in range(0, len(lst)):  
 key = lst[j]  
 i = j - 1  
 while i >= 0 and lst[i] > key:  
 lst[i + 1] = lst[i]  
 i -= 1  
 lst[i + 1] = key  
 return lst  
  
  
print(f'The unsorted list is: {lst}')  
print(f'The sorted list is: {insertion\_sort(lst)}')

Output Code:

The unsorted list is: [5, 1, 6, 8, 754, 22, 4, 1, 5, 453, 54, 7, 8, 6, 69, 345, 98, 420]

The sorted list is: [1, 1, 4, 5, 5, 6, 6, 7, 8, 8, 22, 54, 69, 98, 345, 420, 453, 754]

A screenshot of a computer

Description automatically generated with medium confidence

