**Assignment No : - 09**

**Assignment : - Write a program for use of Bubble Sort Algorithm to sort the given list .**

**def** bubble\_sort(list1):  
 *# Outer loop for traverse the entire list* **for** i **in** range(0, len(list1) - 1):  
 **for** j **in** range(len(list1) - 1):  
 **if** (list1[j] > list1[j + 1]):  
 temp = list1[j]  
 list1[j] = list1[j + 1]  
 list1[j + 1] = temp  
 **return** list1  
  
  
list1 = [5, 3, 8, 6, 7, 2]  
print(**"The unsorted list is: "**, list1)  
*# Calling the bubble sort function*print(**"The sorted list is: "**, bubble\_sort(list1))

**OUTPUT :**