SORTING O Bubble Sording MInserhon Sooting Selection Sorting Sorting is the process of granging telement collection of element in some positivity order Algorithm & Bubble Sort
BUBBLESORT (numList, n) Stp1 SET i = 0 2 WHILE ICH REPEAT SHIPS 3 to 8 3 SET 1=0 4 WHILE J<n-i-1, REPEAT STEPS 5 IF numList [j] > numList [j+1] THEN swap (numlist[j], numlist[j+1]) SET j= 1+1 SET X=X+1 Implementation of Bubble Sort Program def bubble_Sort(115+1) n= len (115dI) for in range (n): for Jin range (0, n-i-1)

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Algorithm: Selection Sort
SELECTIONSORT (numList, n)
Step1: SET i=0
   2: WHILE ICH REPEAT STEPS 3 60 17
  3: SET min = i of lag = C
  4: SET j = i+1
5: WHILE JKN, REPEAT STEPS 66010
           IF numList [j] < numList [min] THEN
            min =j
              flag = I
    9. IF fag = I THEN
    10: Swap(numlist [i], numlu +[min]
11: SET i=i+1
Implementation of Selection Sort wing Python
def selection_Sort(In+2)
flag = 1 # to demide when to swap
    n = len(list2)
for i in range(n)
      for j in range (i+1), len (lyd2))
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flag = 1
      If flag==1:
list2 [min], list2[i] = l2[i], last
     numList=[8,7,13,1,-9,4]
     selection_Sort (numList)
     Print ("The sorted listis:")
for i in range (len (numList)):
print (num List [i], Pxd=")
   INSERTION SORTABBER, IST BIHW
 Algorithm: Insertion Sort in Tax
 INSERTIONSORT (numList, n)
 Step 1: SET i=1
 Step2: WHILE ICH REPEAT STEPS 3 to 9
 Step3: temp = numList[i]
 Step4: SETj = 1-1
Steps: WHILE j>=0 and numList[j])
        REPEAT STEPS 647
 Step 6: numList[j+1] = numList[j]
 54p7: SET j= J-1
 Step8: numList[j+1] = temp
step8: temp qt position j
5tep 9: set i= i+1
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