3

n an unsorted array of integers, design an algo and a program sort the array using insertion sort. Find no. of comparisions & s.

ithm

first element present only, already sorted
m 1

e next element

pare all element in the sorted sub list.

all elements in sorted sub list is greater than all the
ue to be sorted.

sert value

eat until list is sorted.

3

an unsorted array. Sort array using selection sort.

thm →

```
tion sort (arr, n)
t step 2 and 3 for i=0 to n-1.
  smallest (arr, i, n, pos)
p arr[i] with arr[pos]
  of loop


lest (arr, i, n, pos)
 small = arr[i]
  pos = i
peat for j = i+1 to n
 small > arr[j])
    set small = arr[j]
t pos = j
 of if
d of loop
um pos
```