

Insertion Sort Algorithm

Inserting element one by one and compare it with previous element that inserted

left side of array become sorted at each pass or iteration

23 4 10 11 \longrightarrow Unsorted Array

Insert 23

insert 10

Insert 1 23 1 1 is smaller than 23 \longrightarrow 1 23

1 23 10 10 is smaller than 23 \longrightarrow 1 10 23

insert 11

1 10 23 11 11 is smaller than 23 \longrightarrow 1 10 11 23

Time complexity for insertion sort $\longrightarrow O(n^2)$

insert

