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Insertion Sort

⇒ Insertion Sort is a simple sorting algorithm that works like this. The array is virtually split into a sorted and an unsorted part. An element from the unsorted part is picked and placed at the correct position in the sorted part.

Example [3, 2, 5, 2]

Step-1:- We start with the second element (2) and properly position it in the "array" of the first two elements.
[1, 3, 5, 2]

Step-2:- The next element is 5. Inserting it into the array to the left results in [1, 3, 5, 2]

Step-3:- The last element (2) is inserted into the corresponding position, resulting in [1, 2, 3, 5]