## Array to be sorted.

54	26	93	17	77	31	44	55	20	100
					5				

Key chosen is at position 1 i.e. 26 which is compared with the sorted array which has one element 54 till now.

 54
 Sorted Array

 54
 26
 93
 17
 77
 31
 44
 55
 20
 100

As the element in the sorted list is greater than the key it is swapped.

 26
 54
 93
 17
 77
 31
 44
 55
 20
 100

Now the key chosen is 93 which is compared with the sorted array which is

 26
 54
 Sorted Array

 26
 54
 93
 17
 77
 31
 44
 55
 20
 100

Similarly the loop will iterate on each and every element till the time the whole array is sorted.

Sorted Array <u>77</u> Sorted Array 

Sorted Array

17	26	31	54	77	93	44	55	20	100	
17	26	31	54	77	93	Sort	rted Array			
17	26	31	44	54	77	93	<u>55</u>	20	100	
17	26	31	44	54	77	93	Sorted Array			
17	26	31	44	54	55	77	93	20	100	
17	26	31	44	54	55	77	93	Sort	ed Arı	
17	20	26	31	44	54	55	77	93	100	

Now as the list is sorted it would stop comparing and give the Sorted Array as the output.

## Sorted Array

20 26 31 44 54 55 77 93 100	17 20 26	17	20 26 31	44 54	55	77	93	100
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