

# Challenge: Insert a Value Before an Index in Sorted Order

## WE'LL COVER THE FOLLOWING ^

- Problem Statement:
  - Explanation:
  - Function Prototype:
  - Sample Input:
  - Sample Output:
- Coding Exercise:

## Problem Statement: #

In this challenge, you have to implement the insert function which will be taking three parameters as inputs: `array`, `rightIndex`, and `value`.

### Explanation: #

Before the insert function is called:

- the elements from `array[0]` to `array[rightIndex]` are sorted in ascending order.
- the `value` is in the array at an index from `array[rightIndex]` to `array[end]`.

After calling the insert function:

- the `value` from the array is removed from its original position and it is then inserted between `array[0]` to `array[rightIndex+1]`, maintaining the ascending order.

In order to do this, the insert function will need to make room for `value` by

moving items that are greater than `value` to the right. It should start at `rightIndex`, and stop when it finds an item that is less than or equal to `value`, or when it reaches the beginning of the array. Once the function has made room for the value, it can write it to the array.

Function Prototype: #

```
void insert(int[] array, int rightIndex, int value)
```

Sample Input: #





```
array = [2, 3, 5, 7, 11, 13, 9, 6]
rightIndex = 5
value = 9
```

Sample Output: #

```
[2, 3, 5, 7, 9, 11, 13, 6]
```

## Coding Exercise: #

Understand the problem first, before implementing it. If you get stuck anywhere, you are free to refer to the solution. Good Luck!

 Java	 Python	 C++	 JS
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```
class Solution {
    public static void insert(int[] array, int rightIndex, int value) {
        // write this method
    }
};
```

