

## Question #2 (Medium)

### Description:

Write a JavaScript function named `mergeSortedArrays` that takes two arrays of numbers as inputs, both of which are already sorted in ascending order. The function should return a new array that merges both input arrays into one, maintaining the ascending order. Aim for an efficient solution that does not use the built-in sort method.

### Starting Code

```
function mergeSortedArrays(arr1, arr2) {  
    // Your code here  
}
```

### Sample Input

```
mergeSortedArrays([1, 3, 5], [2, 4, 6]);
```

### Sample Output

```
[1, 2, 3, 4, 5, 6]
```