

## Sum All Numbers in a Range

**Background:** Two numbers are given, and the algorithm returns the sum of all numbers in the range starting from the smallest number.

**Challenge:** [freeCodeCamp - Intermediate Algorithm Scripting](#)

**Resources:** [freeCodeCamp](#), [W3Schools](#) and [MDN Web Docs](#)

**Notes:** The code below is intended to be informational and is not meant to be the only way to write a function that determines the of sum of the range of numbers between two numbers. In addition to the function below, I employed other functions and methods to set conditions and facilitate user interaction.

```
function sumAll(arr) {  
  // find the largest number of the two in the array and assign it  
  let max = Math.max(arr[0], arr[1]);  
  
  // find the smallest number of the array and assign it  
  let min = Math.min(arr[0], arr[1]);  
  
  // create a local variable to store the sum  
  let sum = 0;  
  
  // use a loop to add each number to the sum as the condition it met  
  for (let i = min; i <= max; i++) {  
    sum += i;  
  }  
  return sum;  
}
```

```
// TESTING THE FUNCTION  
console.log(sumAll([1, 4])); // 10  
console.log(sumAll([4, 1])); // 10  
console.log(sumAll([5, 10])); // 45  
console.log(sumAll([10, 5])); // 45  
console.log(sumAll([3, 15])); // 117
```