

Sum All Numbers in a Range

Background: The challenge is to take two given numbers and write a function that returns the sum of the range between the two numbers.

Challenge: [freeCodeCamp - Intermediate Algorithm Scripting 1](#)

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
```