Two Sum - Code Solutions

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// Brute Force Solution
var twoSum = function(arr, target) {
    for(let i=0; i< arr.length -1; i++) {</pre>
        for(let j = i+1; j < arr.length; j++) {
            let sum = arr[i] + arr[j]
            if(sum === target) return [i, j]
        }
    }
};
// Optimized Hash Map Solution
var twoSum = function(arr, target) {
    let n = arr.length
    let map = \{\}
    for(let i = 0; i < n; i++) {
        map[arr[i]] = i
    }
    for(let i = 0; i < n; i++) {
        let pair = target - arr[i]
        if(map[pair] !== undefined && map[pair] != i) {
            return [i, map[pair]]
    }
};
```