Array reduce method

Use the built-in `.reduce()` method on arrays to solve all of these problems
Feel free to copy and paste the code for easy testing.

1) Turn an array of numbers into a total of all the numbers

```
function total(arr) {
    // your code here
}

console.log(total([1,2,3])); // 6
```

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2) Turn an array of numbers into a long string of all those numbers.

```
function stringConcat(arr) {
    // your code here
}

console.log(stringConcat([1,2,3])); // "123"
```

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3) Turn an array of voter objects into a count of how many people voted

```
function totalVotes(arr) {
    // your code here
}

var voters = [
    {name:'Bob' , age: 30, voted: true},
    {name:'Jake' , age: 32, voted: true},
    {name:'Kate' , age: 25, voted: false},
    {name:'Sam' , age: 20, voted: false},
    {name:'Phil' , age: 21, voted: true},
    {name:'Ed' , age:55, voted:true},
    {name:'Tami' , age: 54, voted:true},
    {name: 'Mary', age: 31, voted: false},
    {name: 'Becky', age: 43, voted: false},
    {name: 'Joey', age: 41, voted: true},
    {name: 'Jeff', age: 30, voted: true},
```

```
    {name: 'Zack', age: 19, voted: false}
];
console.log(totalVotes(voters)); // 7
```

Note: You don't necessarily have to use reduce for this, so try to think of multiple ways you could solve this.

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4) Given an array of all your wishlist items, figure out how much it would cost to just buy everything at once

```
function shoppingSpree(arr) {
    // your code here
}

var wishlist = [
    { title: "Tesla Model S", price: 90000 },
    { title: "4 carat diamond ring", price: 45000 },
    { title: "Fancy hacky Sack", price: 5 },
    { title: "Gold fidgit spinner", price: 2000 },
    { title: "A second Tesla Model S", price: 90000 }
];

console.log(shoppingSpree(wishlist)); // 227005
```

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5) Given an array of arrays, flatten them into a single array

```
function flatten(arr) {
    // your code here
}

var arrays = [
    ["1", "2", "3"],
    [true],
    [4, 5, 6]
];

console.log(flatten(arrays)); // ["1", "2", "3", true, 4, 5, 6];
```

Note: Take a look at `Array.concat()` to help with this one

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6) Given an array of potential voters, return an object representing the results of the vote

Include how many of the potential voters were in the ages 18-25, how many from 26-35, how many from 36-55, and how many of each of those age ranges actually voted. The resulting object containing this data should have 6 properties. See the example output at the bottom.

```
var voters = [
    {name:'Bob' , age: 30, voted: true},
    {name:'Jake' , age: 32, voted: true},
    {name:'Kate' , age: 25, voted: false},
    {name:'Sam' , age: 20, voted: false},
    {name:'Phil' , age: 21, voted: true},
    {name:'Ed' , age:55, voted:true},
    {name:'Tami' , age: 54, voted:true},
    {name: 'Mary', age: 31, voted: false},
    {name: 'Becky', age: 43, voted: false},
    {name: 'Joey', age: 41, voted: true},
    {name: 'Jeff', age: 30, voted: true},
    {name: 'Zack', age: 19, voted: false}
];

function voterResults(arr) {
   // your code here
}

console.log(voterResults(voters)); // Returned value shown below:
/*
{ numYoungVotes: 1,
  numYoungPeople: 4,
  numMidVotesPeople: 3,
  numMidsPeople: 4,
  numOldVotesPeople: 3,
  numOldsPeople: 4
}
*/
```