**1. Print all even numbers from 0 – 10**

Try to make the solution to this problem as efficiently as possible. Consider using loops that would allow you to type the fewest characters/commands. While you could simply print the even numbers, get creative and see how you could output them in a way that would work up to 10 or even up to 10,000 with little extra effort.

### 2. Print a table containing multiplication tables

Let's start with the tables that many of us had to memorize in school. Can you print a table that contains all the answers to the multiplication tables from 1 through 10?

Like Challenge #1, can you create an efficient solution that you could easily expand should you need the 12 times table?

### 3. Calculate the sum of numbers within an array

You can create your own array of numbers but consider trying this problem with a few different sets to verify your solution. Have one array with negative and positive numbers and another with integers and decimals.

You could also try using arrays of different lengths. If you're feeling comfortable with this, try the slightly more challenging bonus challenge below.

Bonus intermediate challenge: Create a function that can return the sum of a particular column or row number in a table.

### 4. Create a function that filters out negative numbers

In this challenge, you'll have a function that takes an array as an input and returns an array. But if all goes according to plan, it'll remove the negative numbers. This is another example of a task that'll be useful when combing through data and looking for clever ways to eliminate "bad data."

### 5. Return the number of vowels in a string

Create a function that'll return an integer of the number of vowels found in a string. This is a great way to practice determining the features of a dataset. If you use JavaScript later in your career, you'll be well-prepared to determine what datasets (or just strings) consist of. If you feel like an extra challenge, consider returning the number of characters.