# Instructions

Arrays are a simple data structure used everywhere in programming. There are many ways to interact with arrays in JavaScript.

**Today, you will be exploring arrays, and teaching yourselves different methods for manipulating them.**

For each of these tasks, type your code directly in the task file - the marking scripts will evaluate what you have written!

## Tasks

1. Use the arr.push() method to populate an empty array with the numbers 1 to 20, in order.
2. Use the arr.reverse() method to reverse the order of the given array.
3. Use the arr.splice() method to insert the missing number in the given array at the correct position.
4. Use the arr.splice() method to delete one of the two duplicate numbers in the given array.

## Extra Tasks

If you have completed the above tasks, try the following extra tasks for a bonus challenge!

1. Use join() on the given array to print a string of numbers from it, separated by commas only - no spaces!
2. Use concat() to merge the two given arrays, arr1 and arr2, in order, and then print the new array that's created.
3. A matrix is an array of arrays, representing a grid with rows and columns. Use this task to experiment with matrices!
   * Can you add a single number to an existing row?
   * Can you add a whole new row of numbers?
   * Can you remove a single number from a single row?
   * Can you reverse one of the rows without affecting the others