1. Write a program that checks if a given element e is in the array a.

```
Input: e = 3, a = [5, -4.2, 3, 7]
Output: yes
Input: e = 3, a = [5, -4.2, 18, 7]
Output: no
```

```
function doesElementExist(array, elementToMatch) {
    if (array.length < 1 || !elementToMatch) {
        return false;
    }
    for (var i = 0; i < array.length; i++) {
        var element = array[i];
        if (elementToMatch === element) {
            return true;
        }
    }
    return false;
}

var element = 3;
var array = [5, -4.2, 3, 7];
var isMatch = doesElementExist(array, element);

console.log(isMatch ? "yes" : "no");</pre>
```

2. Write a program that multiplies every positive element of a given array by 2.

Input array: [-3, 11, 5, 3.4, -8] Output array: [-3, 22, 10, 6.8, -8]

3. Write a program that finds the minimum of a given array and prints out its value and index.

Input array: [4, 2, 2, -1, 6]

Output: -1, 4

4. Write a program that finds the first element larger than minimum and prints out its value. Input array: [4, 2, 2, -1, 6]

Output: 2

5. Write a program that calculates the sum of positive elements in the array.

Input array: [3, 11, -5, -3, 2]

Output: 16

6. Write a program that checks if a given array is symmetric. An array is symmetric if it can be read the same way both from the left and the right hand side.

Input array: [2, 4, -2, 7, -2, 4, 2] Output: The array is symmetric.

Input array: [3, 4, 12, 8]

Output: The array isn't symmetric.

7. Write a program that intertwines two arrays. You can assume the arrays are of the same length.

Input arrays: [4, 5, 6, 2], [3, 8, 11, 9] Output array: [4, 3, 5, 8, 6, 11, 2, 9]

8. Write a program that concatenates two arrays.

Input arrays: [4, 5, 6, 2], [3, 8, 11, 9] Output array: [4, 5, 6, 2, 3, 8, 11, 9]

```
function concatArrays(firstArray, secondArray) {
   var concatenatedArray = [];

   for (var i = 0; i < firstArray.length; i++) {
      concatenatedArray[i] = firstArray[i];
      for (var j = 0; j < secondArray.length; j++) {
       concatenatedArray[firstArray.length + j] =
   secondArray[j];
      }
   }
   return concatenatedArray;
}

var firstArray = [4, 5, 6, 2];
var secondArray = [3, 8, 11, 9];
var concated = concatArrays(firstArray, secondArray);
console.log(concated);</pre>
```

9. Write a program that deletes a given element e from the array a. Input: e = 2, a = [4, 6, 2, 8, 2, 2]

Output array: [4, 6, 8]

10. Write a program that inserts a given element e on the given position p in the array a. If the value of the position is greater than the array length, print the error message.

```
Input: e = 78, p = 3, a = [2, -2, 33, 12, 5, 8]
Output: [2, -2, 33, 78, 12, 5, 8]
```