

```
// 1.1
const print = (array) => array.forEach(el => console.log(el));
```

```
// 1.2
const sorts = (array, isIncreasing) => {
  for(let i = 0; i < array.length; i++) {
    for(let j = 0; j < array.length - 1; j++) {
      if(isIncreasing) {
        if (array[j] > array[j + 1]) {
          let temp = array[j];
          array[j] = array[j + 1];
          array[j + 1] = temp;
        }
      } else {
        if (array[j] < array[j + 1]) {
          let temp = array[j];
          array[j] = array[j + 1];
          array[j + 1] = temp;
        }
      }
    }
  }
  print(array);
}
```

```
arrayToSort = [1, 3, 2, 5, 4];
sorts(arrayToSort, true);
```

```
// 2
const numToLetter = (stringChange) => {
  for(let i = 0; i < stringChange.length; i++){
    stringChange = stringChange.replaceAll('0', 'o');
    stringChange = stringChange.replaceAll('1', 'i');
    stringChange = stringChange.replaceAll('3', 'e');
    stringChange = stringChange.replaceAll('4', 'a');
  }
  console.log(stringChange);
}
```

```
}

numToLetter("D0 y0u kn0w th4t J4v4Scr1pt 1s my f4v0ur1t3 pr0gr4mm1ng l4ngu4g3?");
```

```
// 3
```

```
const determinant = (matrix) => {
  let part1 = matrix[0][0] * (matrix[1][1]*matrix[2][2] - matrix[1][2]*matrix[2][1]);
  let part2 = matrix[0][1] * (matrix[1][0]*matrix[2][2] - matrix[2][0]*matrix[1][2]);
  let part3 = matrix[0][2] * (matrix[1][0]*matrix[2][1] - matrix[2][0]*matrix[1][1]);
  return part1 - part2 + part3;
}
```

```
console.log(determinant([[2, -3, 1],[2, 0, -1],[1, 4, 5]]));
console.log(determinant([[2, -3, 1],[2, 0, -1],[1, 4, 5]]));
```

```
// 4
```

```
const merger = (array1, array2) => {
  return [...array1, ...array2];
};
```

```
console.log(merger([1,2,3], [4,5,6]));
```

```
// 5
```

```
const vowelCount = (str) => {
  count = 0;
  for (let c of str) {
    if (c === 'a' || c === 'e' || c === 'i' || c === 'o' || c === 'u'){
      count += 1;
    }
  }
  return count;
}
```

```
console.log(vowelCount("The quick brown fox"));
```

```
// 6
```

```
const isEqual = (arr1, arr2) => {
```

```
if (Array.isArray(arr1) && Array.isArray(arr2)) {  
  if (arr1.length === arr2.length && arr1.length !== 0) {  
    for (let i = 0; i < arr1.length; i++) {  
      if (arr1[i] !== arr2[i]) {  
        return false;  
      }  
    }  
    return true;  
  }  
  return false;  
}
```

```
console.log(isEqual(1, [1,2]));
```

```
console.log(isEqual([], []));
```

```
console.log(isEqual([1], [1,2]));
```

```
console.log(isEqual([1,2,3], [1,2,3]));
```