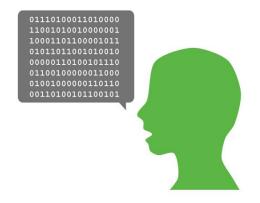# Talking Code

Q: How would you describe the following code?

```javascript
function foo(grades){
    let sum = 0
    for (let grade of grades){
        sum += grade
    }
    return sum / grades.length
}
```

Talking about code

What to say:

When we talk about code we want to say what the code does.

What not to say:

We do not want to read the code out loud

Answer: calculating the average

```javascript
function foo(grades){
    let sum = 0
    for (let grade of grades){
        sum += grade
    }
    return sum / grades.length
}
```

Try 2: Describe the following code

```javascript
function foo(arr){

    for (let word of arr){

        console.log(word[0])

    }

}
```

Description:

1. Printing the first letter of each word in a given array

2. Iterating an array of strings and printing the first letter of each string

```javascript
function foo(words){

    for (let word of words){

        console.log(word[0])

    }

}
```

Try 3: Describe the following code

```
function foo(x, y) {
    let flag = true

    if (y < x) {
        continue
    } else {
        flag = false
    }

    return flag
}
```

Try 4: Describe the following code

```javascript
function foo(x) {
    let z = 0
    for (let y of x) {
        if (y > z) {
            console.log(y);
        }
        z = y
    }
}
```

Try 5: Describe the following code

```javascript
function foo(words) {
    let result = []

    for (let word of words) {
        let x = word[word.length - 1]
        let y = word[0]
        if (y > x) {
            result.push(word)
        }
    }

    return result.slice(-3)
}
```