# JavaScript Day 4 Exercises

## Exercise 1

var count = 0;

for (var i = 1; i <= 3; i++){

count = count + i;

}

console.log(count);

What will console.log() output?

## Exercise 2

var output;

for (var i = 8; i > 0; i--){

output += i;

output += “, “;

}

console.log(i);

What will console.log output?

**Challenge:** combine the two `ouput +=` lines into one line.

**Challenge:** Describe how to leave off the last comma.

## Exercise 3

var words = [“morning”, “it”, “The”, “but”, “.”, “sun”, “star”, “is”,“a”,”of”];

var order = [2, 5, 7, 3, 8, 0, 6];

var sentence = “”;

for (var i = 0; i < order.length; i++){

var currentWord = order[i];

sentence += words[currentWord];

}

console.log(sentence);

What sentence is printed?

**Challenge:** What would have happened if we used `words.length` instead of ‘order.length`?

## Exercise 4

var fruits = ["apple", "orange", "pear", "banana", "grape", "pineapple"];

var foods = ["waffle", "lettuce", "apple", "toast", "orange", "spaghetti", "banana"];

for (var i = 0; i <= foods.length; i++){

for (var n = 0; n < fruits.length; n++){

if (foods[i] == fruits[n]){

console.log(foods[i]+ " is a fruit");

} else {

console.log(foods[i] + " isn’t a fruit");

}

}

}

**Challenge:** Create a function that accepts the `foods[]` array and checks to see if each item is a fruit or not, then call that function.