Async Quiz

```javascript
function boo() {
    console.log('boop!');
}

console.log('fizz');
setTimeout(boo, 1000);
console.log('buzz');
```

In the code above, what order will the messages be printed in?

○ fizz, buzz, boop!

○ fizz, boop!, buzz

○ boop!, buzz, fizz

○ boop!, fizz, buzz

EXPLANATION

`setTimeout` does not block execution so 'buzz' will be printed before `boo` is called.

```javascript
function boo() {
    console.log('boop!');
}

console.log('fizz');
setTimeout(boo, 0);
console.log('buzz');
```

In the code above, what order will the messages be printed in?

- ○ fizz, buzz, boop!

- ○ fizz, boop!, buzz

- ○ boop!, buzz, fizz

- ○ boop!, fizz, buzz

> **EXPLANATION**
>
> `setTimeout` does not block execution even if a delay time of 0 is provided.

```javascript
function far() {
    console.log('farm!')
}

function boo() {
    console.log('boop!');
    far();
}

console.log('fizz');
setTimeout(boo, 1000);
console.log('buzz');
```

In the code above, what order will the messages be printed in?

- ○ fizz, buzz, boop!, farm!

- ○ boop!, buzz, fizz, farm!

- ○ farm!, boop!, fizz, buzz

- ○ fizz, buzz, farm!, boop!

> **EXPLANATION**

`far` is called synchronously inside of `boo`, so 'farm!' will be printed right after 'boop!'

```
function far() {
    console.log('farm!')
}

function boo() {
    console.log('boop!');
    setTimeout(far, 1000);
    console.log('boop!');
}

setTimeout(boo, 1000);
console.log('buzz');
```

In the code above, what order will the messages be printed in?

○ farm!, boop!, boop!, buzz

○ buzz, boop!, boop!, farm!

○ boop!, farm!, boop!, buzz

○ buzz, boop!, farm!, boop!

EXPLANATION

Since `far` is called asynchronously, it will not block execution of the second 'boop!'

```
function asyncy(cb) {
  setTimeout(cb, 1000);
  console.log("async");
}
```

```
function greet() {
  console.log("hello!");
}

asyncy(greet);
```

In the code above, what order will the messages be printed in?

○ async, hello!

○ hello!, async

EXPLANATION

`setTimeout` will not block execution of lines that come after it