

# Quiz 8: Promises and Generators

**Due** Nov 7 at 11:59pm

**Points** 10

**Questions** 10

**Available** Oct 27 at 5pm - Nov 7 at 11:59pm

**Time Limit** 15 Minutes

## Instructions

This quiz covers both lecture 9 and 10 (Promises and Generators). Please make sure you watch both sets of videos before attempting it.

This quiz was locked Nov 7 at 11:59pm.

## Attempt History

	Attempt	Time	Score
LATEST	<a href="#">Attempt 1</a>	15 minutes	9 out of 10

Score for this quiz: **9** out of 10

Submitted Nov 6 at 3:20pm

This attempt took 15 minutes.

### Question 1

1 / 1 pts

The main problem with asynchronous callbacks that Promises aim to address is



Slow performance due to many different callbacks completing at the same time



None of the others



Poor code readability due to multiple levels of nested callbacks



Lack of error checking due to callback executing in a different context

**Correct!**

## Question 2

0 / 1 pts

When you create a Promise object using `new Promise( foo(resolve, reject) )`, the function `foo` is executed

- ☐ Asynchronously, when the promise resolves or rejects
- ☐ None of the others
- ☐ Synchronously, and right away
- ☒ Asynchronously, after the execution of the current context

Incorrect Answer

Not Answered

## Question 3

1 / 1 pts

The function specified as the first argument in the `.then` method of a promise is executed

- ☐ synchronously, when the promise is rejected
- ☐ synchronously, when the promise is resolved
- ☒ asynchronously, when the promise is resolved
- ☐ asynchronously, when the promise is rejected

Correct!

## Question 4

1 / 1 pts

The `finally` method of a Promise is called only when which of the following conditions is met

- ☐ The promise is resolved

Correct!

- ☐ The promise is rejected
- ☐ The promise is created
- ☒ The promise is resolved or rejected

### Question 5

1 / 1 pts

A promise created using Promise.all will resolve if and only if

- ☐ Any of its constituent promises resolve
- ☐ All of its constituent promises are rejected
- ☒ All its constituent promises resolve
- ☐ Any of its constituent promises are rejected

Correct!

### Question 6

1 / 1 pts

When chaining promises together using the .then method, the value passed to the function used as the first argument in the .then handler is the

- ☐ None of the others
- ☐ Value passed to the previous promise
- ☒ Value returned by the previous promise.resolve
- ☐ Value returned by the previous promise.reject

Correct!

### Question 7

1 / 1 pts

When a generator function is called in JavaScript, it returns a value that is of type

Correct!

- ☒ An object
- ☐ A function
- ☐ None of the others
- ☐ A primitive type

### Question 8

1 / 1 pts

When a generator function encounters a 'yield', it saves its state and control transfers to the caller. A subsequent call via the next() method resumes the execution from the

Correct!

- ☒ Statement after the yield
- ☐ Start of the function
- ☐ Statement before the yield
- ☐ None of the others

### Question 9

1 / 1 pts

When iterating over the results of a generator function using the .next method, which of the following outcomes are possible ?

**Correct!**

- ☐ A value is yielded by the generator
- ☒ All of the others
- ☐ An exception is thrown by the generator
- ☐ A value is returned by the generator

### Question 10

1 / 1 pts

When combining generators and promises by having the generator function yield a promise, the promise object needs to satisfy which of the following conditions ?

- ☐ It must be rejected right away
- ☐ It must be resolved right away
- ☐ It must call an asynchronous function
- ☒ None of the others

**Correct!**

Quiz Score: **9** out of 10