

TW-07 GROUP VERSION



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Questions
- ▶ Interview Questions
- ▶ Coffee Break
- ▶ Coding Challenge
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

Teamwork Schedule

Ice-breaking

10m

- Personal Questions (Study Environment, Kids etc.)
- Any challenges (Classes, Coding, studying, etc.)
- Ask how they're studying, give personal advice.
- Remind that practice makes perfect.

Ask Questions

15m

1. What is the function to stop an interval timer?

- A. stopTimer
- B. clearInterval
- C. shutdownTimer
- D. clearTimer

2. What are 2 native functions to run code asynchronously in JavaScript ?

- A. timeout - setTimeout
- B. startInternal - setInterval
- C. setTimeout - setInterval
- D. interval - setInterval

3. What is the output of the code below?

```
let x = 0;

async function test() {
  x += await 2;
  console.log(x);
}

test();
x += 1;
console.log(x);
```

- A. 2 3
- B. 0 1
- C. 1 2
- D. 2 2

4. Which method converts JSON data to a JavaScript object?

- A. `JSON.fromString();`
- B. `JSON.toObject()`
- C. `JSON.stringify()`
- D. `JSON.parse()`

5. Why would you choose an asynchronous structure for your code?

- A. To use ES6 syntax
- B. To ensure that parsers enforce all JavaScript syntax rules when processing your code
- C. To ensure that tasks further down in your code aren't initiated until earlier tasks have completed
- D. To start tasks that might take some time without blocking subsequent tasks from executing immediately

6. What will be logged to the console?

```
console.log("I");
setTimeout(() => {
  console.log("love");
}, 0);
console.log("Javascript!");
```

A.

```
I
love
Javascript!
```

B.

```
I
Javascript!
love
```

C.

```
love
I
Javascript!
```

D. The output may change with each execution of code and cannot be determined.

7. Which statement is true about the "async" attribute for the HTML script tag?

- A. It can be used for both internal and external JavaScript code.
- B. It can be used only for internal JavaScript code.
- C. It can be used only for internal or external JavaScript code that exports a promise.
- D. It can be used only for external JavaScript code.

8. When would 'results shown' be logged to the console?

```
let modal = document.querySelector("#result");
setTimeout(function () {
  modal.classList.remove("hidden");
}, 10000);
console.log("Results shown");
```

- A. immediately
- B. after 10 second
- C. after 10000 seconds
- D. after results are received from the HTTP request

9. Which Queue Is Executed First?

```
// Callback queue
setTimeout(() => console.log("timeout"), 0);

// Microtask queue
Promise.resolve().then(() => console.log("promise"));
```

- A. Callback queue
- B. Microtask queue
- C. No priority
- D. Depends on which one called first

10. How does a function create a closure?

- A. It reloads the document whenever the value changes.
- B. It returns a reference to a variable in its parent scope.
- C. It completes execution without returning.
- D. It copies a local variable to the global scope.

11. Consider the following async function and its output. What will be displayed to the console when calling the f() function?

```
async function f() {  
  let result = 'first!';  
  let promise = new Promise((resolve, reject) => {  
    setTimeout(() => resolve('done!'), 1000);  
  });  
  
  result = await promise;  
  
  console.log(result);  
}  
  
f();
```

- A. first!
- B. done!
- C. JavaScript error
- D. Something else

12. What will the output be?

```
Promise.resolve('Success!')  
  .then(data => {  
    return data.toUpperCase()  
  })  
  .then(data => {  
    console.log(data)  
  })
```

- A. print "Success!" and "SUCCESS!"
- B. print "Success!"
- C. print "SUCCESS!"
- D. nothing prints

Interview Questions

15m

1. Can you explain what asynchronous programming is?

2. How can you convert a callback-based function to a Promise-based function?

3. How does async/await help with performance and scalability?

4. Can you explain the difference between an async function and a regular function in JavaScript?

Coding Challenge

15m

- [JS-CC-07 iOS Calculator](#)



Coffee Break

10m



Video of the Week

10m

- [What the heck is the event loop anyway?](#)

Case study/Project

15m

- [JS-05 Crypto-Coin-App](#)

Retro Meeting on a personal and team level

10m

Ask the questions below:

- What went well?
- What could be improved?
- What will we commit to do better in the next week?

Closing

5m

- Next week's plan
 - QA Session
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