

# TW-09 GROUP VERSION

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CLARUSWAY  
WAY TO REINVENT YOURSELF

## Meeting Agenda

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- ▶ Icebreaking
- ▶ Workshop Activities - Tuesday
- ▶ Teamwork Activities - Friday
  - ▶ Questions
  - ▶ Interview Questions
- ▶ Video of the week
- ▶ Retro meeting
- ▶ Case study / project

# Teamwork Schedule

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## Ice-breaking

10m

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

## Workshop Activities (Tuesday)

90m

No extra task is given for the workshop. Before Session 2, a recap of Coin App session 1 is expected.

## Team Work Activities (Friday)

90m

## Ask Questions

20m

### 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. 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.

#### 6. 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

**7. 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

**8. 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

**9. What is the role of the event loop in asynchronous JavaScript?**

- A. It ensures synchronous execution.
- B. It manages asynchronous tasks and callbacks.
- C. It handles UI events exclusively.
- D. It prevents the use of async/await.

**10. What will be logged to the console when the following code is executed?**

```
async function example() {  
  throw new Error("Something went wrong");  
}  
  
example().catch((error) => console.error(error.message));
```

- A. No output, the error is ignored.
- B. The code will throw an unhandled promise rejection error.
- C. `undefined`
- D. `Something went wrong`

**Interview Questions****15m**

1. How can you convert a callback-based function to a Promise-based function?
2. Can you explain the difference between an async function and a regular function in JavaScript?
3. How do you handle errors in an asynchronous JavaScript code?
4. Can you use async/await with regular synchronous functions in JavaScript?

**Coffee Break****10m**

## Retro Meeting on a personal and team level

5m

Ask the questions below:

- What went well?
- What went wrong?
- What is the improvement areas?

## Case study/Project

15m

- [StopWatch](#)
- **Optional project will be shared on Tuesday for those who wish.**

## Closing

5m

- Next week's plan
  - QA Session
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