

TW-007 STUDENT VERSION (Sprint-5 Week-1)



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

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

Teamwork Schedule

Ice-breaking

5m

- 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.

Team work

5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.


Ask Questions

15m

1. 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();
```

Handwritten annotations: A red circle highlights the `await` statement and the `console.log` statement. Red numbers 1 through 5 are written next to the corresponding lines of code: 1 next to `f();`, 2 next to `let result = 'first!';`, 3 next to `let promise = new Promise...`, 4 next to `setTimeout...`, and 5 next to `result = await promise;`.

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

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

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

Example:(w3schools)

Display the time once every second. Use clearInterval() to stop the time:

```
const myInterval = setInterval(myTimer, 1000);
function myTimer() {
  const date = new Date();
  document.getElementById("demo").innerHTML =
    date.toLocaleTimeString();
}
function myStopFunction() {
  clearInterval(myInterval);
}
```

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

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

```
setTimeout(function() {
  console.log("Goodbye!");
}, 2000);
```

```
let interval = setInterval(function () {count += 1;
if (count === 5) {clearInterval(interval);}
let dateTime = new Date();
let time = dateTime.toLocaleTimeString();
console.log(time); }, 2000);
```

4. 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

5. To get the first item from the array ("cooking") using array destructuring, how do you adjust this line?

```
const topics = ["cooking", "art", "history"]
```

- A. const first = ["cooking", "art", "history"]
- B. const [] = ["cooking", "art", "history"]
- C. const [, first] = ["cooking", "art", "history"]
- D. const [first] = ["cooking", "art", "history"]**

?

6. What should the console read when the following code is run?

```
const [animal] = ["Horse", "Mouse", "Cat"]
console.log(animal)
```

- A. Horse
- B. Cat**
- C. Mouse
- D. undefined

7. Which collection object allows unique value to be inserted only once?

(<https://levelup.gitconnected.com/set-data-structure-in-javascript-62e65908a0e6>)

- A. Set
- B. Object
- C. Map
- D. Array

The Set object allows you to create a collection of unique values(each value can occur only once). Set can contain any type of value (primitives or object reference).

8. 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**

9. What is the HTTP verb to request the contents of an existing resource?

- A. GET**
- B. DELETE
- C. PATCH
- D. POST

The GET method requests a representation of the specified resource. Requests using GET should only retrieve data.

The HEAD method asks for a response identical to a GET request, but without the response body.

The PATCH method applies partial modifications to a resource.

The POST method submits an entity to the specified resource, often causing a change in state or side effects on the server.

10. What will be logged to the console?

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

A.

```
I  
love  
Javascript!
```

B. The output may change with each execution of code and cannot be determined.**C.**

```
I  
Javascript!  
love
```

D.

```
love  
I  
Javascript!
```

11. How do you remove the property name from this object?

```
const foo = {  
  name: 'Noah',  
};
```

```
var person = {  
  firstName: "John",  
  lastName: "Doe",  
  age: 50,  
  eyeColor: "blue"  
};  
delete person.age; // or delete person["age"];
```

A. delete name from foo;**B.** delete foo.name;**C.** del foo.name;**D.** remove foo.name;

// Before deletion: person.age = 50, after deletion, person.age = undefined

Interview Questions

15m**1. What are Promises?****2. What is a Callback function?**

3. What is prototype in javascript?

4. What is JSX?

Coding Challenge

20m

- [Coding Challenge: Stopwatch \(JS-024\)](#)



Coffee Break

10m



Video of the Week

5m

- [What Is React \(React js\) & Why Is It So Popular?](#)

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

Case study should be explained to the students during the weekly meeting and has to be completed in one week by the students. Students should work in small teams to complete the case study.

- [Movie Seat Booking App \(JS-07\)](#)
- [Weather-App \(JS-08\)](#)

Closing

5m

-Next week's plan

-QA Session
