

TW-007 STUDENT VERSION (Sprint-4 Week-2)



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. Which snippet could you add to this code to print "food" to the console?

```
class Animal {  
  static belly = [];  
  eat() {  
    Animal.belly.push('food');  
  }  
}  
let x = new Animal();  
x.eat();  
console.log(/* Add Snippet Here */); //Prints food
```

- A. `Object.getPrototypeOf (a).belly[0]`
- B. `Animal.belly[0]`
- C. `a.belly[0]`
- D. `a.prototype.belly[0]`

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

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

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

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

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. Which method converts JSON data to a JavaScript object?

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

6. Which Object method returns an iterable that can be used to iterate over the properties of an object?

- A. Object.get()
- B. Object.keys()
- C. Object.each()
- D. Object.loop()

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

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

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

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. Why would you include a "use strict" statement in a JavaScript file?

- A. to tell parsers to interpret your JavaScript syntax loosely
- B. to tell parsers to enforce all JavaScript syntax rules when processing your code
- C. to instruct the browser to automatically fix any errors it finds in the code
- D. to enable ES6 features in your code

12. Why is it usually better to work with Objects instead of Arrays to store a collection of records?

- A. Working with objects makes the code more readable.
- B. Objects are more efficient in terms of storage.
- C. Most operations involve looking up a record, and objects can do that better than arrays.
- D. Adding a record to an object is significantly faster than pushing a record into an array.

13. 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.

14. What will this code print?

```
var v = 1;
var f1 = function () {
  console.log(v);
};

var f2 = function () {
  var v = 2;
  f1();
};

f2();
```

- A. 2
- B. 1
- C. Nothing - this code will throw an error.
- D. undefined

15. Which keyword is used to create an error?

- A. `throw`
- B. `exception`
- C. `catch`
- D. `error`

Interview Questions

15m

1. What are Promises?

2. What is a Callback function?

3. What is prototype in javascript?

Coding Challenge

20m

- [Coding Challenge: Bracket Validator \(JS-07\)](#)



Coffee Break

10m



Video of the Week

5m

- [Asynchronous Vs Synchronous Programming](#)

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

Project -1 : [ios Calculator](#) - JS-01

There will be no solution session for the [ios calculator](#) project. Each mentoring team will make their own solutions within the workshop.

Project -2 :[Weather App](#) - JS-04

> **Office Hour** : 27 September 2022 - In-class

> **Solution** : 28 September 2022 - In-class

Closing

5m

-Next week's plan

-QA Session
