

TW-006 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 property references the DOM object that dispatched an event?

- A. self
- B. object
- C. target
- D. source

2. Which statement creates a new function called discountPrice?

A.

```
let discountPrice(price) {  
  return price * 0.85;  
};
```

B.

```
let discountPrice = function (price) {  
  return price * 0.85;  
};
```

C.

```
let function = discountPrice(price) {  
  return price * 0.85;  
};
```

D.

```
discountPrice = function (price) {  
  return price * 0.85;  
};
```

3. An is a JavaScript function that runs as soon as it is defined.

- A. Generator function
- B. Arrow function
- C. Regular Function
- D. Immediately Invoked Function Expression

4. For the following class, how do you get the value of 42 from an instance of X?

```
class X {  
  get Y() { return 42; }  
}
```

- A. x.get('Y')
- B. x.Y
- C. x.Y()
- D. x.get().Y

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

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

6. Which statement references the DOM node created by the code shown?

```
<p class="pull">lorem ipsum</p>
```

- A. Document.querySelector('class.pull')
- B. document.querySelector('.pull');
- C. Document.querySelector('pull')
- D. document.querySelector('#pull')

7. What is the result of running this code?

```
sum(10,20);  
diff(10,20);  
function sum(x,y){  
    return x+y;  
}  
  
let diff = function(x,y){  
    return x-y  
}
```

- A. 30, ReferenceError, 30, -10
- B. ReferenceError
- C. 30, -10
- D. ReferenceError, -10

8. The following program has a problem. What is it?

```
var a;  
var b = (a = 3) ? true: false
```

- A. The condition in the ternary is using the assignment operator.
- B. You can't define a variable without initializing it.
- C. You can't use a ternary in the right-hand side of an assignment operator.
- D. The code is using the deprecated var keyword.

9. Which method do you use to attach one DOM node to another?

- A. attachNode()
- B. getNode()

- C. appendChild()
- D. querySelector()

10. What type of scope does the end variable have in the code shown?

```
var start = 1;
if (start === 1) {
  let end = 2;
}
```

- A. conditional
- B. block
- C. global
- D. function

11. Which statement selects all img elements in the DOM tree?

- A. document.querySelector('img')
- B. document.querySelectorAll('img')
- C. document.querySelectorAll('< img >')
- D. document.querySelector('< img >')

Interview Questions

15m

1. What is JavaScript 'Strict Mode'?
2. What is the difference between 'var' and 'let' keyword?
3. What is the use of the 'debugger' keyword in JavaScript code?
4. What is JavaScript Hoisting?

Coding Challenge

20m

- [Coding Challenge: Check Triangle \(JS-CC-012\)](#)

Video of the Week

10m

- [A day in the life of a Google Software Engineer](#)
- [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 weeks by the students. Students should work in small teams to complete the case study.

- [Team Members Page \(HC-006\)](#)

Closing

5m

-Next week's plan

-QA Session
