

TW-07 GROUP VERSION (Sprint-4 Week-2)



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. In the code below, what is the purpose of the *id* attribute?

```
<p id="warning">Be careful when installing this product.</p>
```

- A. It establishes that *id* is a unique identifier in the document, used for styling CSS, scripting, and linking within a webpage.
- B. It establishes that *id* is a unique identifier in the document, used for styling CSS and with Javascript code.
- C. It establishes that *id* may be used for styling CSS several times per page.
- D. It establishes that *id* is a unique identifier in the website, used for styling CSS, scripting, and linking within a webpage.

2. What do media queries allow us to do?

- A. Stream video on our site.
- B. Use different CSS based on screen size.
- C. Do responsive design.
- D. Changes all document sizes and feature.

3. What is the difference between `<input type="submit" value="click me">` and `<button type="submit">Click me</button>`?

- A. There is no difference. Both will render a button that submits a form.
- B. Both will submit a form. However, the `<button>` can have content other than text, like an image or nested HTML elements, while the `<input>` cannot.
- C. `<input type="button">` has been deprecated in HTML5. You should use the `<button>` tag instead.
- D. Both will submit a form. However, the `<input>` can have content other than text, like an image or nested HTML elements, while the `<button>` cannot.

4. Which of the following operators can be used to do a short-circuit evaluation?

- A. ++
- B. --
- C. -+
- D. ||

5. What does the following expression evaluate to?

```
[] == [];
```

- A. True
- B. undefined
- C. False
- D. []

6. 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

7. 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

8. What is the output of below code blog?

```
const sum = function localSum(a, b) {  
  return a + b;  
};  
console.log(typeof localSum);
```

- A. undefined
- B. function
- C. function (expression)
- D. object

9. How can we extract 'Full Stack' from the string str = 'I am a Full Stack Developer';?

- A. str.slice(7)
- B. str.substring(17,7)
- C. str.slice(17,7)
- D. str.trim()

10. What is error in the code below?

```
const str = "I'm a \n string";
```

- A. Single-quote strings can't span multiple lines.
- B. There is no error.
- C. You can not use same quote in a string.
- D. You can not use " in a string.

11. What is the best description of the problem in the code below?

```
const str = "clarusway";  
str[0] = "C";
```

- A. Once a string is created it can't be changed in place, since strings are mutable in JavaScript.
- B. Once a string is created it can't be changed in place, since strings are immutable in JavaScript.
- C. Changing characters of a string can only be done using the setCharAt() method.
- D. Single-quote strings can't modified.

12. What is the output of this code block?

```
let daltones = ["joe", "Jack", "Willam", "Averell"];
daltones.shift();
daltones.pop();
console.log(daltones);
```

- A. ['joe', 'Jack']
- B. []
- C. ['Jack', 'Willam']
- D. ['joe', 'Averell']

13. What is the output of this code block?

```
let daltones = ["joe", "Jack", "Willam", "Averell"];

for (let i = 0; i < daltones.length; i++) {
  if (i == 1) {
    continue;
  }
  console.log(daltones[i]);
}
```

- A. Jack
- B. joe, Jack
- C. joe, Jack, Willam
- D. joe, Willam, Averell

14. The easiest way to add a new element to an array is using the `_**` method**

- A. add()
- B. insert()
- C. push()
- D. set()

15. What is the observation made in the following JavaScript code?

```
const count = [1, , 3];
```

- A. The omitted value takes "undefined"
- B. This results in an error
- C. This results in an exception
- D. The omitted value takes an integer value

16. Which of the following is most suitable for a grid layout?

- A. toolbar
- B. menu
- C. form
- D. complex layout, like a newspaper

17. Which model defines structures similar to tables using 2 dimensions?

- A. CSS Box model
- B. CSS3 Grid Layout model
- C. CSS3 Flexbox Box model
- D. CSS float

18. You are creating a grid layout. What does 1fr mean in the following code?

```
grid-template-columns: 150px 150px 1fr 1fr;
```

- A. The first two columns will be two fraction units of the stated width.
- B. The third and fourth columns is 1 fraction unit of the remaining space in the grid.
- C. The second column will be double the stated width.
- D. The second column will be half of the remaining space in the grid.

19. What layout modules require containers? (select all that apply)

- A. CSS Box model
- B. CSS3 Grid Layout model
- C. CSS3 Flexbox Box model
- D. CSS float

20. How many columns and rows are defined in the following code?

```
section {  
  display: grid;  
  
  grid-template-columns: 100px 1fr 1fr 250px;  
  
  grid-rows: 50px 1fr 1fr;  
}  
  
section header {  
  grid-column: 1 / 4;  
  
  grid-row: 1;  
}  
  
section nav {  
  grid-column: 1;  
  
  grid-row: 2 / 3;  
}  
  
section article {  
  grid-column: 2;  
  
  grid-row: 2;  
}  
  
section aside {  
  grid-column: 3;  
  
  grid-row: 2;  
}  
  
section footer {  
  grid-column: 1 / 4;  
  
  grid-row: 3;  
}
```

- A. 1 rows and 2 columns
- B. 2 rows and 3 columns
- C. 3 rows and 2 columns
- D. 3 rows and 4 columns

Interview Questions**15m****1. What is a CSS Grid?**

2. Why would you use CSS Grid instead of Flexbox?

3. What are the advantages and disadvantages of using CSS Grid?

4. What is the best way to organize media queries for responsive layouts?

5. What is an Array in JavaScript?

Coding Challenge

15m

- [JS-CC-05 Reverse Words](#)
- [JS-CC-06 Merge Arrays](#)



Coffee Break

10m



Video of the Week

10m

- [CSS Grid vs CSS Flexbox: When to use CSS Grid vs Flexbox?](#)

Case study/Project

15m

- [HC-06 IOS Calculator HTML CSS Design](#)

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
