

TW-01 TEAM LEAD VERSION



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

20m

1. How do you insert a comment in a CSS file?

- A. `// this is a comment //`
- B. `/* this is a comment */`
- C. `' this is a comment`
- D. `// this is a comment`

Answer: B

2. How to create a hyperlink in HTML?

Answer: The HTML provides an anchor tag to create a hyperlink that links one page to another page. These tags can appear in any of the following ways:

- Unvisited link - It is displayed, underlined and blue.
- Visited link - It is displayed, underlined and purple.
- Active link - It is displayed, underlined and red.

3. How do you add a background color for all h1 elements?

- A. `all.h1 {background-color:#FFFFFF}`
- B. `h1.all {background-color:#FFFFFF}`
- C. `h1 {background-color:#FFFFFF}`
- D. `h1** {background-color:#FFFFFF}`

Answer: C

4. What is the use of a span tag? Give one example.

*Answer: The span tag is used for following things:

- For adding color on text
- For adding background on text
- Highlight any color text

5. How do you display a border like this:

```
The top border = 10 pixels  
The bottom border = 5 pixels  
The left border = 20 pixels  
The right border = 1pixel?
```

- A. border-width:10px 20px 5px 1px
- B. border-width:10px 1px 5px 20px
- C. border-width:5px 20px 10px 1px
- D. border-width:10px 5px 20px 1px

Answer: B

6. What keyword is used to declare a variable in JavaScript?

- A. define
- B. variable
- C. let
- D. declare

Answer: C

7. Which of the following is NOT a valid JavaScript variable name?

- A. _myVar
- B. 123var
- C. myVar123
- D. \$myVar

Answer: B

8. Which operator is used for strict equality comparison in JavaScript?

- A. !=
- B. =
- C. ==
- D. ===

Answer: D

9. What will be the result of the expression: $5 + "5"$?

- A. "55"
- B. 10
- C. 55
- D. "10"

Answer: A

10. Which data type is used for floating-point numbers in JavaScript?

- A. number
- B. float
- C. integer
- D. double

Answer: A

11. What is the result of the expression: $10 \% 3$?

- A. 3.333
- B. 0.1
- C. 1
- D. undefined

Answer: C

12. What is the value of `typeof null` in JavaScript?

- A. "null"
- B. "undefined"
- C. "number"
- D. "object"

Answer: D

13. What does the logical AND operator (`&&`) do in JavaScript?

- A. Returns true if either operand is true
- B. Returns true if both operands are true
- C. Returns the greater of two values
- D. Returns the lesser of two values

Answer: B

14. What will be the result of the expression: 10 / 0 in JavaScript?

- A. Error
- B. NaN
- C. 0
- D. Infinity

Answer: D

15. What will be the result of the expression: "true" == true in JavaScript?

- A. true
- B. false
- C. type error
- D. undefined

Answer: B

16. What is the result of the following code snippet?

```
let x = 5;  
let y = "2";  
let z = x * y;
```

- A. "10"
- B. 7
- C. 10
- D. type error

Answer: C

17. What is the result of the following code snippet?

```
let a = 5;  
const b = 3;  
a += b;
```

- A. 53
- B. 8
- C. 15
- D. 3

Answer: B

18. What will be the result of the following code snippet?

```
let num1 = 10;  
let num2 = "5";  
let result = num1 / num2;
```

- A. 105
- B. 10.5
- C. "2"
- D. 2

Answer: D

19. What will be the value of `let num = 0.1 + 0.2;` in JavaScript?

- A. 0.3
- B. 0102
- C. 0.30000000000000004
- D. 0

Answer: C

20. What will be the result of the following code snippet?

```
const a = true;  
const b = false;  
const result = a || b;
```

- A. true
- B. false
- C. type error
- D. null

Answer: A

Interview Questions

20m

1. What is CSS?

Answer:

- CSS stands for Cascading Style Sheet.
- Styles define how to display HTML elements
- Styles were added to HTML 4.0 to solve a problem
- External Style Sheets can save a lot of work
- External Style Sheets are stored in CSS files

2. What is Selector?

Answer: The way you declare which elements the styles should apply to. There are different kinds of selectors:

- Class: The most commonly used selector. E.g. ".cloudy" to select an element with classname cloudy. There can be more than 1 element with the same classname.
- ID: Use this sparingly. You cannot reuse an ID within the same page and used only to identify an element uniquely. E.g. `div id=lovelyweather> </div`
- Attribute Selector: If you use any attribute other than class or id to identify an element in a stylesheet, you would be using Attribute Selectors. You can also do basic pattern matching within an attribute selector (so if you would like to do basic pattern matching for selectors using class or ID attributes, you would want to use attribute selectors).
- Pseudo-Classes: Classes that are applied to elements based on information that is not present in the markup, e.g. `:first-child` or `:last-child`. Do note that the selectors are parsed from right to left (see the demo). You cannot use `section article:first-child` to select the first occurrence of article, if the first child of section is h1 and not article. Likewise with the `:nth-child`, and `:last-child` pseudo-classes.
- Pseudo-Elements: Pseudo-elements differ from Pseudo-Classes in that they actually create an element in the document tree. This is almost the first instance of CSS modifying the HTML document tree. You should ideally use pseudo-elements with `::` instead of `:` (but most browsers accept `:` notation for CSS 2.1 pseudo-elements). Pseudo-elements are: `::first-line`, `::first-letter`, `::before`, `::after` (See the demo for how pseudo-elements work).

3. What is the CSS Box model and what are its elements?

Answer: The elements are:

- Margin
- Border
- Padding
- Content

4. Describe floats and how they work

Answer: Float is a CSS positioning property. Floated elements remain a part of the flow of the web page. This is distinctly different than page elements that use absolute positioning. Absolutely positioned page elements are removed from the flow of the webpage.

5. What is Inline style?

Answer – The Inline style in a CSS is used to add up styling to individual HTML elements.

Coding Challenge

10m

Students should work in small teams to complete the coding challenge at Workshop Activity(Tuesday).

- [CC-01 : Web Page](#)



Coffee Break

10m

Video of the Week

15m

- [Static vs Dynamic Websites - What's the Difference?\(~11 min\)](#)

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?

Case study/Project

15m

The case study will be solved by the students during the week and by the team on Friday Team Work.

- [Project - 01 : Survey Form](#)

Closing

5m

- Next week's plan
 - QA Session
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