

TW-03 GROUP VERSION



CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

- ▶ Icebreaking
- ▶ Workshop Activities - Tuesday
- ▶ Teamwork Activities - Friday
 - ▶ Questions
 - ▶ Interview Questions
- ▶ 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.

Workshop Activities (Tuesday)

90m

1- Reverse Words in a String Without Arrays

- Write a JavaScript function called `reverseWordsWithoutArray` that takes a sentence as input and returns the sentence with its words reversed, without using arrays:

This JavaScript code challenge involves reversing the words in a given sentence without using arrays. It's a practical exercise that combines string manipulation, loops, and functions.

Expected Outputs :

For example, if the input is `Hello Js World 2023`, the function should return `"2023 World Js Hello"`.

2- Media Query Challenge

- Make a media query web page as in the [example](#)

Team Work Activities (Friday)

Ask Questions

20m

1. What is the primary purpose of Media Queries in CSS?

- A. To define the structure of an HTML document
- B. To control the layout and styling of a web page based on the characteristics of the device it's being viewed on
- C. To specify the font size and color of text on a webpage
- D. To create interactive animations

2. Which CSS property is commonly used in Media Queries to set breakpoints for different screen sizes?

- A. background-color
- B. font-size
- C. display
- D. width

3. In a Media Query, what does the term "media type" refer to?

- A. The type of device or media that the styles should apply to
- B. The type of content displayed on the web page
- C. The specific font used for text on the webpage
- D. The file format of images on the webpage

4. Which of the following is a valid Media Query expression for targeting screens with a maximum width of 768 pixels?

- A. screen-width: 768px
- B. width <= 768px
- C. max-width: 768px
- D. @media (width < 768px)

5. What is the purpose of the @media rule in CSS?

- A. To apply styles to all elements in a web page
- B. To define the font family for text content
- C. To specify conditions under which styles should be applied
- D. To create responsive images

6. Which notation is used to declare a CSS Variable?

- A. --variable-name: value;
- B. \$variable-name: value;
- C. @variable-name: value;
- D. #variable-name: value;

7. CSS Variables are scoped to:

- A. The entire CSS file
- B. The HTML element where they are defined
- C. The parent element where they are defined
- D. The child elements of the parent element

8. Which advantage do CSS Variables offer over traditional static values in CSS?

- A. They can't be changed once set
- B. They allow for more complex mathematical calculations
- C. They are supported only in modern browsers
- D. They make CSS code easier to read and maintain

9. What is a JavaScript function?

- A. A reusable block of code that performs a specific task
- B. A data type in JavaScript
- C. A way to define variables
- D. A loop construct

10. What is the purpose of parameters in a JavaScript function?

- A. To store global variables
- B. To provide input data for the function
- C. To define the function's name
- D. To control the function's visibility

11. What is the return type of a JavaScript function that doesn't explicitly use the return keyword?

- A. null
- B. void
- C. is not defined
- D. undefined

12. Which of the following code snippets correctly defines a JavaScript function with a parameter x that returns the square of x?

- A []

```
function square {  
  return x * 2;  
};
```

- B []

```
var square = function {  
  return x * x;  
};
```

- c []

```
function square {  
  return x * x;  
};
```

- D []

```
function square(x) {  
  return x * x;  
};
```

13. Which of the following is a valid way to concatenate two strings in JavaScript?

- A. string1 . string2
- B. string1 + string2
- C. string1 & string2
- D. string1 : string2

14. Which method is used to convert a string to lowercase in JavaScript?

- A. toUpper()
- B. toUpperCase()
- C. toLowerCase()
- D. lowerCase()

15. Which of the following statements is true about JavaScript strings?

- A. Strings in JavaScript are immutable.
- B. Strings in JavaScript cannot contain special characters.
- C. Strings in JavaScript can only contain numbers.
- D. You can not create empty strings in JavaScript.

16. Create a JS code that calculates the area of a circle using the arrow function.

```
// Write your Code Here  
  
calculateCircleArea(5); //Output : 'The area of the circle with radius 5 is 78.5'
```

17. Write a js code that assigns the word **Hello** from `originalString` to the `slicedString` with the `slice` method.

```
const originalString = 'Hello, World!';

// Extract a portion of the string (substring) using slice

console.log(slicedString); // Output: 'Hello'
```

Interview Questions

20m

1. Please describe the most important advantages of using JavaScript.
2. List some of the disadvantages of JavaScript.
3. What is anonymous function?
4. What is CSS Flexbox



Coffee Break

10m



Video of the Week

15m

- [JavaScript Functions](#)

Case study/Project

15m

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

- [News Project](#)

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
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