

TW-04 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

90m

- 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)

10m

- [Project - 04 : iOS Calculator](#)

Team Work Activities (Friday)

Ask Questions

20m

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

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

2. 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

3. 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.

4. 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

5. Which JavaScript string method / property is used to find the length of a string?

- A. length()
- B. getSize()
- C. size()
- D. length

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

- A. toLowerCase()
- B. toLower()
- C. lowerCase()
- D. convertLowerCase()

7. What JavaScript string method is used to replace a substring with another substring?

- A. substitute()
- B. replace()
- C. switch()
- D. replaceAll()

8. How can you check if a string contains a specific substring in JavaScript?

- A. contains()
- B. hasSubstring()
- C. has()
- D. includes()

9. What method is used to split a string into an array of substrings based on a delimiter in JavaScript?

- A. divide()
- B. separate()
- C. split()
- D. slice()

10. Which method is used to extract a portion of a string in JavaScript?

- A. extract()
- B. substring()
- C. slice()
- D. cut()

11. How can you repeat a string multiple times in JavaScript?

- A. repeat()
- B. duplicate()
- C. replicate()
- D. copy()

12. Which method is used to remove whitespace from both ends of a string?

- A. trim()
- B. removeWhitespace()
- C. strip()
- D. trimStart()

13. What does the startsWith() method check in a string?

- A. If the string ends with a specified substring
- B. If the string contains a specified substring
- C. If the string starts with a specified substring
- D. If the string is empty

14. Write a function that returns all elements of a string in order.

```
function iterateString(inputString){  
    //write your code here  
}  
  
let str = 'Hello World';  
  
iterateString(str)
```

Output :

```
H  
e  
l  
l  
o  
  
W  
o  
r  
l  
d
```

15. How do you add an element to the end of a JavaScript array?

- A. add() method
- B. append() method
- C. insert() method
- D. push() method

16. How can you access the first element of a JavaScript array?

- A. myArray.first()
- B. myArray.get(0)
- C. myArray[0]
- D. myArray.element(0)

17. How do you remove a specific element from a JavaScript array?

- A. remove() method
- B. splice() method
- C. delete() method
- D. pop() method

18. What method is used to add elements to the beginning of a JavaScript array?

- A. append()
- B. shift()
- C. push()
- D. unshift()

19. How do you find the index of the last occurrence of a specific element in a JavaScript array?

- A. indexOf()
- B. lastIndexOf()
- C. findLastIndex()
- D. searchLastIndex()

20. How can you find the intersection of two JavaScript arrays (common elements in both arrays)?

- A. Using the filter() method
- B. Using a for loop
- C. Using the intersection() method
- D. Using the reduce() method

21. What method is used to find the sum of all elements in a JavaScript array?

- A. sum()
- B. reduce()
- C. total()
- D. aggregate()



Coffee Break

10m



Interview Questions

20m

1. What is a CSS Grid?
2. What are the differences between Flexbox & CSS Grid?
3. What is the difference between `.map()` and `.forEach()`?
4. What is the difference between `slice` and `splice`?
5. Explain `reduce()` method in Javascript

Video of the Week

15m

- [forEach\(\) method](#)

Coding Challenge

15m

- 1. [CSS Grid](#)

2. Sum of Array Elements Challenge

Description

- This is a simple JavaScript code challenge that involves finding the sum of elements in a given array. The challenge specifically asks for the use of the `for...of` loop to achieve the solution. The function (`toplamBul()`) takes an array of numbers as input and returns the sum of its elements.

Example Usage :

```
const numbers = [1, 2, 3, 4, 5];
const result = toplamBul(numbers);
console.log("Sum of Array Elements:", result); // "Sum of Array Elements:" 15
```

3. Filter Even Numbers Challenge

Description

- This JavaScript code challenge involves filtering even numbers from a given array. The challenge is to implement a function (`filterEvenNumbers()`) using the `for...of` loop to iterate through the array and return a new array containing only the even numbers.

Example Usage:

```
const inputNumbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
const result = filterEvenNumbers(inputNumbers);
console.log("Even Numbers:", result); // "Even Numbers:" 2,4,6,8,10
```

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