TW-10 GROUP VERSION

TEAMWORK

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 (Stay at home & Corona, 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. What is the new avengers array after this code block?

```js
let avengers = ["Iron Man", "Captain America", "Black Widow", "Hulk"];

avengers.splice(2, 1, "Thor", "Hawkeye");
```

A. ['Black Widow']
B. index error
C. ['Iron Man', 'Captain America', 'Thor', 'Hawkeye', 'Hulk']
D. ['Iron Man', 'Captain America', 'Thor', 'Hawkeye','Black Widow', 'Hulk']

2. Write a loop to iterate languages?

```js
let fullStack = {
  languages: ["JavaScript", "React", "HTML"],
  jira: true,
  gitHub: true,
  difficulty: 8,
};
```

3. Write a code for get `fullStack` object's keys

```js
let fullStack = {
  languages: ["JavaScript", "React", "HTML"],
  jira: true,
  gitHub: true,
  difficulty: 8,
};
```

4. Write a method to get myCar's age

```
const myCar = {
  make: "ford",
  model: "Mustang",
  year: 1965,
  color: "Black",
};
```

5. What is the output of this code snippet?

```
(function (data) {
  return (function () {
    console.log(data);
    data = "Full Stack";
  })();
})("Clarusway");
```

A. Full Stack
B. Clarusway
C. undefined
D. Error

6. Which Object method returns an iterable that can be used to iterate over the properties of an object?

A. Object.get()
B. Object.keys()
C. Object.each()
D. Object.loop()

7. What will this code print?

```
var v = 1;
var f1 = function () {
  console.log(v);
};

var f2 = function () {
  var v = 2;
  f1();
};

f2();
```

A. 2

B. 1

C. Nothing - this code will throw an error.

D. undefined

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

A. toolbar

B. menu

C. form

D. complex layout, like a newspaper

9. 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

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

```css
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.

11. 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

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

```css
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

13. What kind of scoping does JavaScript use?

A. Literal
B. Lexical
C. Segmental
D. Sequential

Explanation: Like most modern programming languages, JavaScript uses lexical scoping. This means that functions are executed using the variable scope that was in effect when they were defined, not the variable scope that is in effect when they are invoked.

14. What is closure?

A. Function objects
B. Scope where function's variables are resolved
C. Both Function objects and Scope where function's variables are resolved
D. Function return value

Explanation: A combination of a function object and a scope (a set of variable bindings) in which the function's variables are resolved is called a closure.

15. What will be the output

```
var x = 10;

function counter() {
  let x = 1;
  return function () {
    return x++;
  };
}

scoreTracker = counter();
scoreTracker();
scoreTracker();
scoreTracker();
const latest = scoreTracker();

console.log(latest);
```

A. 10
B. 14
C. 4
D. 1

16. What will be printed in the console on execution of the following JS code:

```js
var array = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15];
var myArr = array.filter((v) => v % 3 === 0);

console.log(myArr);
```

A. myArr

B. [3, 6, 9, 12, 15]

C. [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15]

D. [1, 2, 4, 5, 7, 8, 10, 11, 13, 14]

17. What is the output? Why?

```js
console.log([1, 2, 3] == [1, 2, 3]);
```

18. What is the output?

```js
const arr1 = [1, 3, 5];
const arr2 = arr1;

console.log(arr1 === arr2);
```

A. true

B. false

C. error

D. time to time they are equal

19. What is the output?

```js
const arr1 = [1, 3, 5];
const arr2 = arr1;

arr1[0] = 100;

console.log(arr2);
```

A. [1, 3, 5]

B. [100, 3, 5]

C. error

D. []

20. What is the output?

```
let arr1 = [1, 3, 5];
let arr2 = arr1;

arr1 = [2, 4, 6];

console.log(arr2);
```

A. [1, 3, 5]

B. [2, 4, 5]

C. error

D. []

Interview Questions   15m

1. How do callbacks work in JavaScript?

2. What Is Object Methods?

3. How do you check if an object is empty or not in Javascript?

4. What is a CSS Grid?

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

Coding Challenge   15m

- JS-CC-05 Array Iterations

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Coffee Break   10m

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Video of the Week   10m

- CSS Grid vs CSS Flexbox: When to use CSS Grid vs Flexbox?

Case study/Project   15m

HC-07-Bootstrap Web Page

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