TW-003 STUDENT VERSION (Sprint-2 Week-2)

TEAMWORK

CLARUSWAY
WAY TO REINVENT YOURSELF

Meeting Agenda

▶ Icebreaking

▶ Questions

▶ Interview Questions

▶ Coding Challenge (Will be solved at Work Shop on Tuesday.)

▶ Video of the week

▶ Retro meeting

▶ Case study / project

Teamwork Schedule

Ice-breaking   5m

- 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.

Team work   5m

- Ask what exactly each student does for the team, if they know each other, if they care for each other, if they follow and talk with each other etc.

Ask Questions   15m

1. Which of the following is true about Local Storage in HTML5?

A. HTML5 introduces the localStorage attribute which would be used to access a page's local storage area without no time limit
B. this local storage will be avaliable whenever you would use that page
C. Both of the above
D. None of the above
https://gelecegiyazanlar.turkcell.com.tr/konu/egitim/201-html5-css/html5te-yerel-depolama#:~:text=HTML5'te%20web%20sayfalar%C4%B1%2C%20veriyi,tekrar%20y%C3%BCklenmesi%20s%C3%B6z%20konusu%20de%C4%9Fildir.

2. Which of the following is correct about Hex Code format of CSS colors?

A. The first two digits(RR) represent a red value
B. The next two are a green value (GG)
C. The last are the blue value (BB)   https://www.digitalocean.com/community/tutorials/css-hex-code-colors-alpha-values
D. All of the above

3. Which operator returns true if the two compared values are not equal?

A. <>
B. ~   https://www.geeksforgeeks.org/difference-between-and-operator-in-javascript-2/#:~:text=%3D%3D)
C. ==!   %20is%20the%20logical%20opposite,will%20not%20convert%20data%20types.
D. !==

4. After the following code, what is the value of a.length?

```
var a = ['dog','lion','hen'];
a[100] = 'horse';
```

A. 101

B. 3

C. 4

D. 100

(101) ['dog', 'lion', 'hen', bo × 97, 'horse']
0: "dog"
1: "lion"
2: "hen"
100: "horse"
length: 101
[[Prototype]]: Array(0)

5. Review the code below. Which statement calls the addTax function and passes 50 as an argument? How would you use this function to find out how much tax should be paid on $50?

```
function addTax(total) {
    return total * 1.05;
}
```

A. `return addTax 50;`

B. `addTax(50);`

C. `addTax 50;`

D. `addTax = 50;`

```
function addTax(total) {
    return total * 1.05;
}
addTax(50);
console.log(addTax(50));
```

6. Which statement creates a new function called discountPrice?

- [A]

```
let discountPrice = function (price) {
    return price * 0.85;
};
```

```
let discountPrice = function(price) {
    return price * 0.85;
};
console.log(discountPrice(50));
        output :42.5
```

- [B]

```
let discountPrice(price) {
  return price * 0.85;
};
```

- [C]

```
let function = discountPrice(price) {
  return price * 0.85;
};
```

- [D]

```
discountPrice = function (price) {
    return price * 0.85;
};
```

discountPrice = function(price) {
    return price * 0.85;
};

console.log(discountPrice(50));
            output=42.5

7. How would you reference the text 'avenue' in the code shown?

```
let roadTypes = ["street", "road", "avenue", "circle"];
```

- [A] roadTypes.2
- [B] roadTypes[3]
- [C] roadTypes.3
- [D] roadTypes[2]

let roadTypes = ["street", "road", "avenue", "circle"];
console.log(roadTypes[2]);

8. When would you use a conditional statement?

- [A] When you want to reuse a set of statements multiple times.
- [B] When you want your code to choose between multiple options.
- [C] When you want to group data together.
- [D] When you want to loop through a group of statement.

https://developer.mozilla.org/en-US/docs/Learn/JavaScript/Building_blocks/conditionals

9. Why would you include a "use strict" statement in a JavaScript file?

- [A] to tell parsers to interpret your JavaScript syntax loosely
- [B] to tell parsers to enforce all JavaScript syntax rules when processing your code
- [C] to instruct the browser to automatically fix any errors it finds in the code
- [D] to enable ES6 features in your code

https://www.c-sharpcorner.com/blogs/use-of-use-strict-in-javascript-its-benefits

10. Which of the following values is not a Boolean false?

- [A] Boolean(0)
- [B] Boolean("")

- [C] `Boolean(NaN)`
- [D] `Boolean("false")`

Boolean("false")
true

11. Which of the following is not a keyword in JavaScript?

- [A] `this`   https://www.programiz.com/javascript/keywords-identifiers
- [B] `array`
- [C] `function`
- [D] `catch`

12. Which variable is an implicit parameter for every function in JavaScript?

- [A] Arguments
- [B] args   AbstractRange
- [C] argsArray
- [D] argumentsList

Interview Questions   15m

1. Could you name some built-in methods in JavaScript?

2. What are the escape characters in JavaScript?

3. Who developed JavaScript ?

4. How to use a prompt box in JS?

5. What is JavaScript 'Strict Mode'?

6. What is the difference between 'var' and 'let' keyword?

7. What is JavaScript Hoisting?

8. What is mean by NULL in JavaScript?

Coding Challenge   20m

You are expected to solve the Coding Challenge with both JavaScript and Python.

- Coding Challenge: JS-CC-002 Fibonacci Numbers

- Coding Challenge: JS-CC-003 Reverse Strings

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Coffee Break   10m

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Video of the Week   10m

- What You Can Do with JavaScript

Retro Meeting on a personal and team level   5m

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   10m

Case study should be explained to the students during the weekly meeting and has to be completed in one weeks by the students. Students should work in small teams to complete the case study.

- Project-004 : Checkout Form

Closing   5m

-Next week's plan

-QA Session