**Concepte questions**

1. What is the difference between Let, const, and var?

Const is a construct, you can not change it

Let is scoped viable, this mean that it is used exclusively in block function like for loop.

Var is similar to let that is used to declare variable. The different is that var can not be swap but it can change itself (if they have function)

1. What is Hoisting in JavaScript?

Assigning a value to a variable and declaring it. “Hoisting is JavaScript's default behavior of moving declarations to the top.” // https://www.w3schools.com/js/js\_hoisting.asp

1. How can the style of an element be modified dynamically using JavaScript?

But referencing the html file from in a javascript. You can get the style of the html and change it.

Example: document.getElementById("p2").style.color = "red";

1. What is the difference between querySelector and querySelectorAll?

Return a single object (first match)and querySelectorAll return all object that fulfil all

QuerySelector is more general in compare to getElementbyID.

Document.querySlector(p) (Return the first element)

Document.querySelectorAll(p) (Return all element of p)

Var answer = Document.query.selector(#textbox)

1. What is the difference between innerText and innerHTML

InnerText returns all text contained by an element and all its child elements. innerHtml returns all text, including html tags, that is contained by an element.

1. What does slice method do?

slice() The slice() method returns a shallow copy of a portion of an array into a new array object selected from start to end ( end not included) where start and end represent the index of items in that array. The original array will not be modified.What is callback,

1. What is promise?

Promising is an object found in asynchronous operation and its resulting values.

<https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Promise/promises.png>

8. What is a callback?

A function that is inside the function.

**Programing Questions**

1. Write a JavaScript program that uses regular expression to check if the password is strong or weak. Strong password should have
   1. a minimum 8 characters and maximum 15 characters.
   2. at least one symbol
   3. at least one Capital letter (uppercase)
   4. at least one digit
   5. at least one small letter (lowercase)
   6. also, the same string pattern (minimum of two-character length) should not be repeated.
2. Write a program that sorts an array of 5 people by their age. Each person is an object which has an id, name, date of birth.
3. Write a program that has a list of products and filter those starting with a specific letter.