Core Java	What is an interface? .types of Interfaces ,tagging/marker Interface (Serializable) , functional interface
Advanced Java	What are relationships between hibernate Entities? and explain one to many with example and annotation(DB level and class level)

Javascript - HTML ,CSS(inner, internal, external, selectors, attributes, CSS box model) , DOM , DOM manipulation , Events , Event handling , functions , var let, data types, strings , arrays, prototype , class inheritance, 3 ways of object creation , de structuring .

JSON related Javascript APIs ------

- 1. stringify
- 2. parse

var str = JSON.stringify(object) === we can use string API
var obj = JSON.parse(string) === if we get an object we can access object properties using
obj.propertyname!!!!

Callback Methods/functions in Javascript -----

Callback = WE ARE **NOT** CALLING the function

We write function and we pass it to other functions

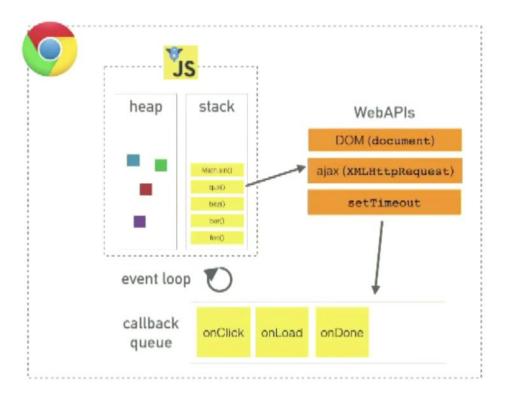
THE other function that receives the callback function WILL CALL IT

arr.sort(callback function)
arr.filter (callback function)
arr.foreach (callback function)

Two types of callbacks in Javascript ----

- 1. Synchronous callback the callback functions execute in sequence of the code
- 2. Asynchronous callback

The callback function executes LATER on some event (does not execute in the sequence of code)



****When the function setTimeout is called ------

Function frame is pushed on the program stack

---setTimeout executes ----- it accepts the parameter = callback function

It adds that callback function to the callback queue

---function returns

Function frame is popped from the program stack

****The next function is called as per the code sequence !!!

WHEN all functions in the program stack are popped

THEN the functions in callback queue are executed as per event

Delayed execution of the methods

Jquery ----- a convenient syntax for using Javascript
----- it is a Javascript library
-----The Jquery library is external to our code
---- so we have to include it directly ----

<script src="https://code.jquery.com/jquery-3.5.0.js"></script>

Or

If you have downloaded the jquery library in your current folder Then u can include (offline working)

<script src="./jquery-3.6.0.js"></script>

JQUERY = html selectors , id based selectors, class based selectors , for other selectors list iOuery Selectors (w3schools com) . Try out different

other selectors list $\underline{jQuery\ Selectors\ (w3schools.com)}$. Try out different combinations

JQUERY API = click , ready , val , text , html ,append , animate

DOWNLOAD the following before coming tomorrow -----npx create-react-app my-app

