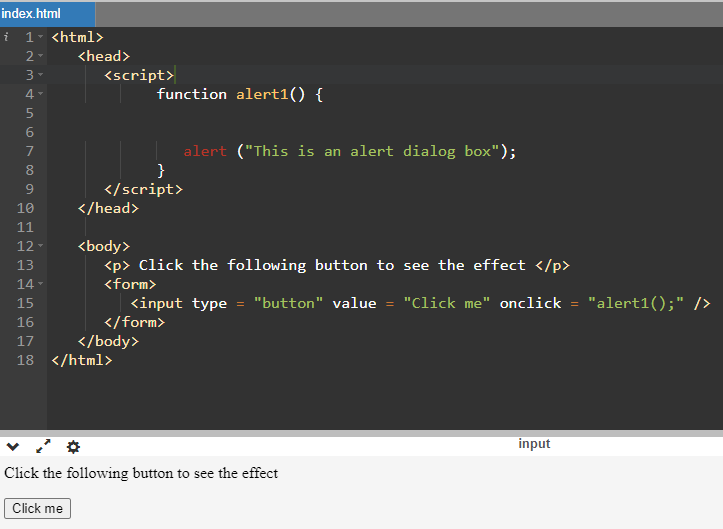
Advance JavaScript for Front-End Introduction and Code Quality

Q-1)Write a program to Show an alert.

A-1)

Q-2)What will be the result for these expressions?

1. 5 > 4

2. "apple" > "pineapple"

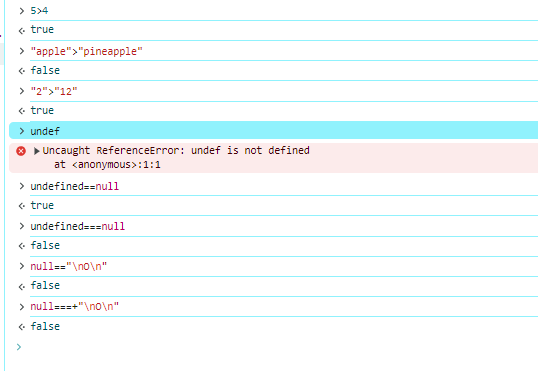
3. "2" > "12"

4. undefined == null

5. undefined === null

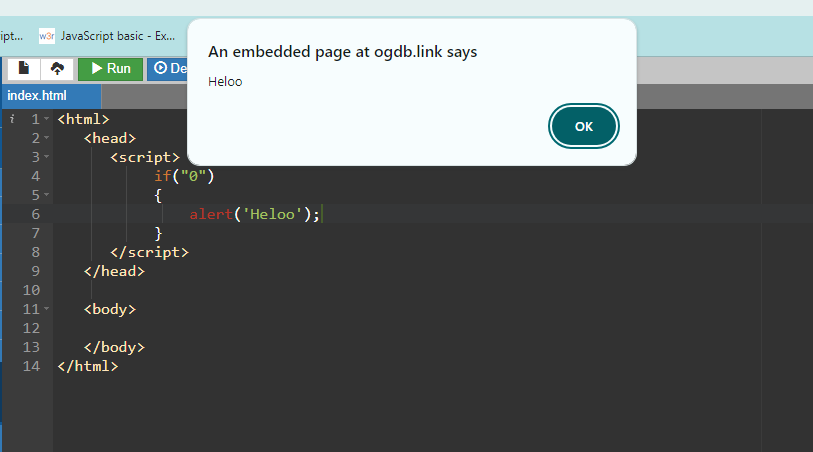
6. null == "\n0\n"

7. 7. null === +"\n0\n"

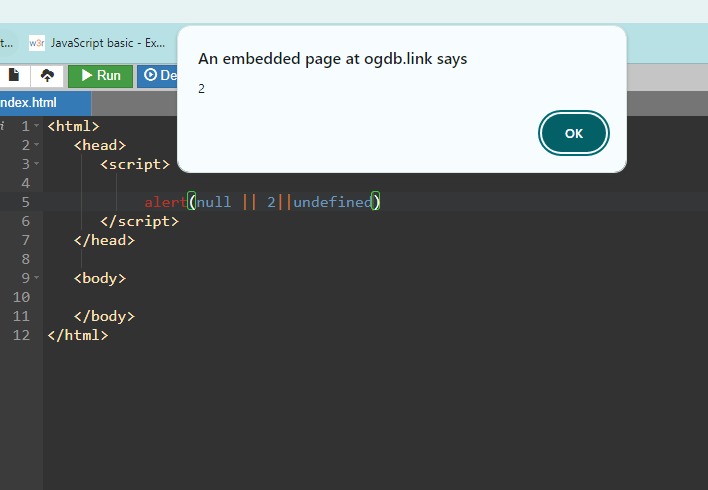


Q-3) Will alert be shown? if ("0") {alert(‘Hello');}

A-3)yes,the will be shown.

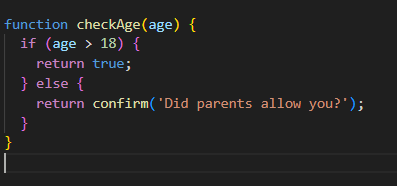


Q-4)What is the code below going to output? alert( null || 2 || undefined );



* the **||** operator returns the first truthy value.
* **null** is falsy.
* **2** is truthy
* **undefined** is not evaluated because the expression already returned a truthy value (**2**).

Q-5) The following function returns true if the parameter age is greater than 18. Otherwise it asks for a confirmation and returns its result: function checkAge(age) { else { } } if (age> 18) { return true; } // ...return con



Q-6) Replace Function Expressions with arrow functions in the code below:

Function ask (question, yes, no)

{

if (confirm(question))

yes ();

else no ();}

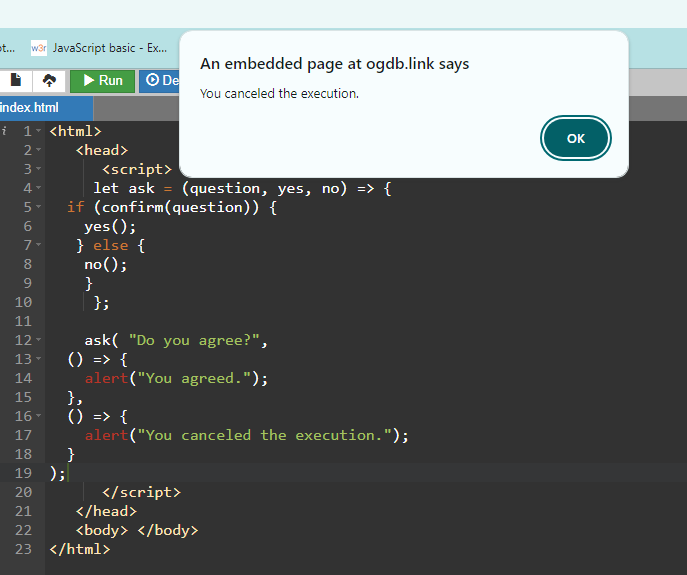
ask ("Do you agree?",

function ()

{alert ("You agreed.");},

function ()

{alert ("You cancelled the execution.");} }



Data Types and Objects

Q-1)Write the code, one line for each action:

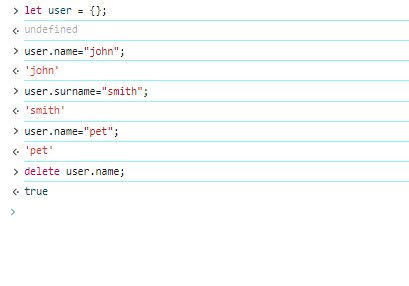
a) Create an empty object user.

b) Add the property name with the value John.

c) Add the property surname with the value Smith.

d) Change the value of the name to Pete.

e) Remove the property name from the object.

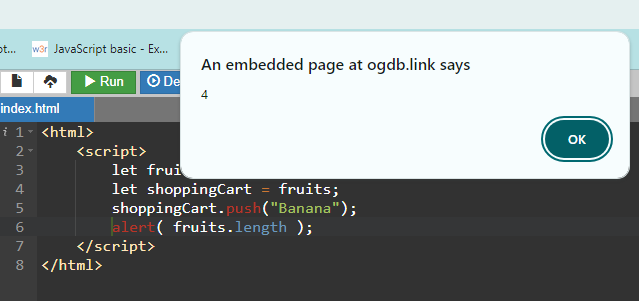


Q-2)Is array copied?

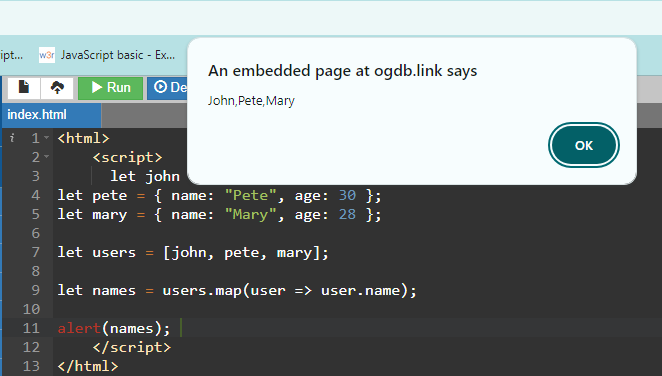
let fruits = ["Apples", "Pear", "Orange"]; // push a new value into the "copy"

let shopping Cart = fruits;

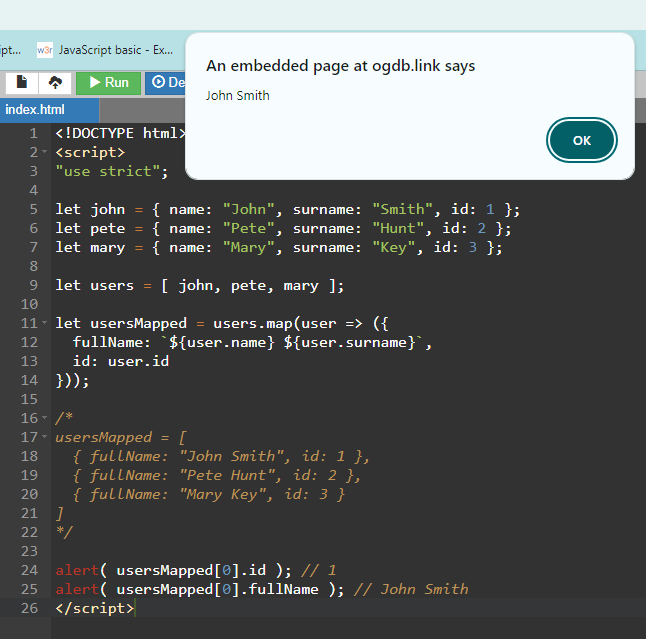
shoppingCart.push("Banana"); // what's in fruits? alert (fruits. Length); //?



Q-3)Map to names let john = { name: "John", age: 25 }; let pete = { name: "Pete", age: 30 }; let mary = { name: "Mary", age: 28 }; let users = [ john, pete, mary ]; let names = /\* ... your code \*/ alert( names ); // John, Pete, Mary



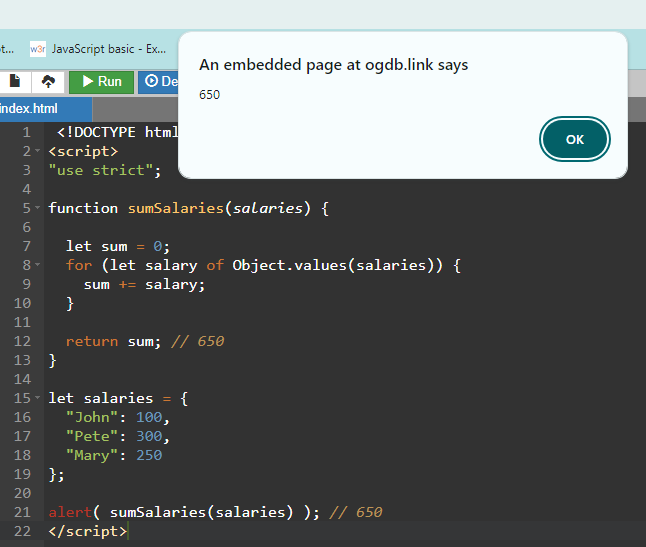
Q-4) Map to objects let john = { name: "John", surname: "Smith", id: 1 }; let pete = { name: "Pete", surname: "Hunt", id: 2 }; let mary = { name: "Mary", surname: "Key", id: 3 }; let users = [ john, pete, mary ]; let usersMapped = /\* ... your code ... \*/



Q-5) Sum the properties There is a salaries object with arbitrary number of salaries. Write the function sum Salaries(salaries) that returns the sum of all salaries using Object. Values and the for. Of loop. If salaries is empty, then the result must be 0.

let salaries = {“John": 100, "Pete": 300, "Mary": 250 };

alert (sum Salaries(salaries) ); // 650



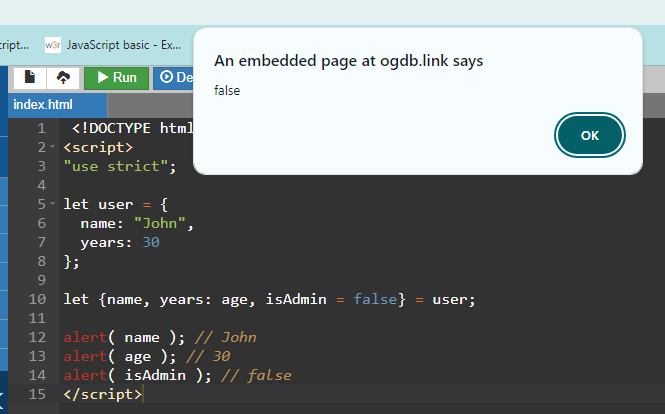
Q-6)Destructuring assignment We have an object: Write the Destructuring assignment that reads: a) Name property into the variable name.

b) Year’s property into the variable age.

c) isAdmin property into the variable

isAdmin (false, if no such property)

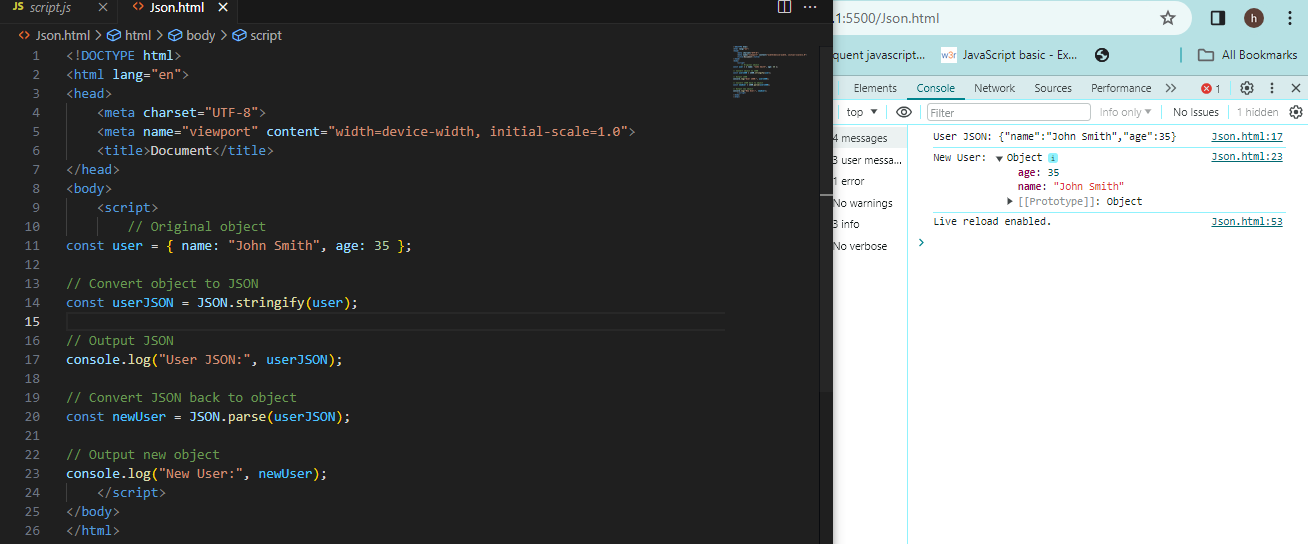
d)let user = { name: "John", years: 30};



Q-7) Turn the object into JSON and back Turn the user into JSON and then read it back into

another variable.

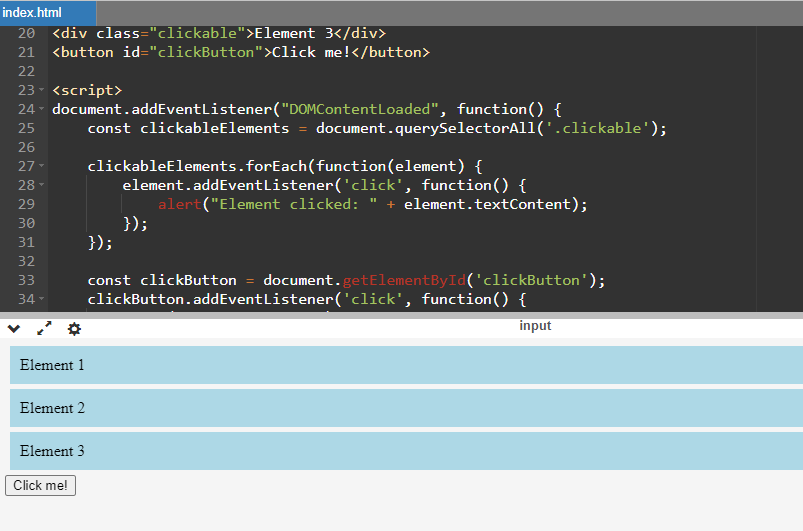
user = {name: "John Smith", age: 35};



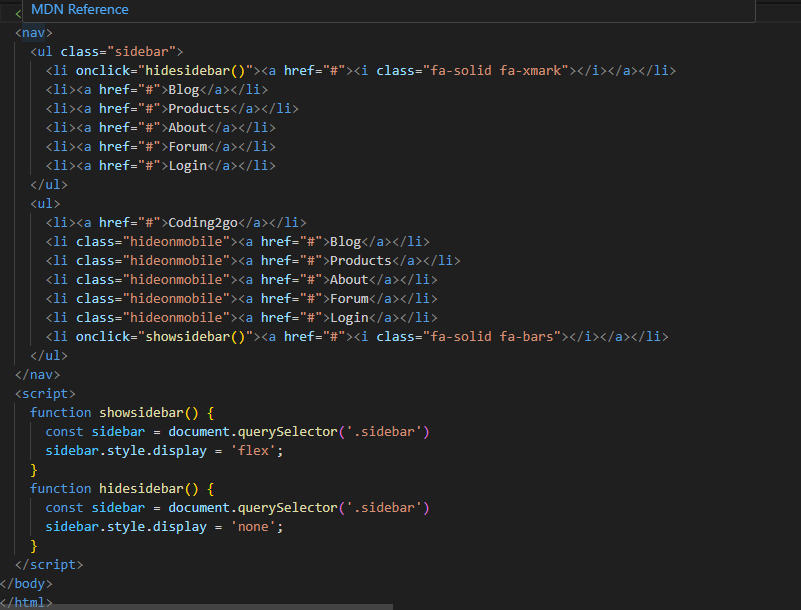
**Document, Event and Controls**

Q-1) Create a program that will select all the classes and loop over and whenever I click the

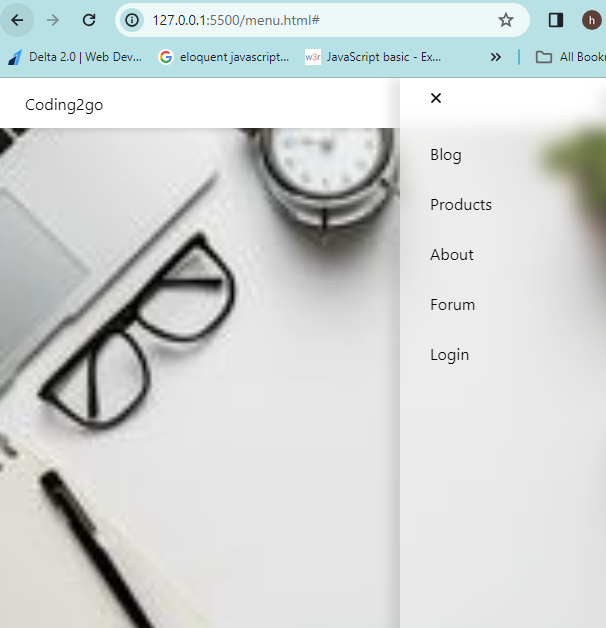
button the alert should show.

A-1)****

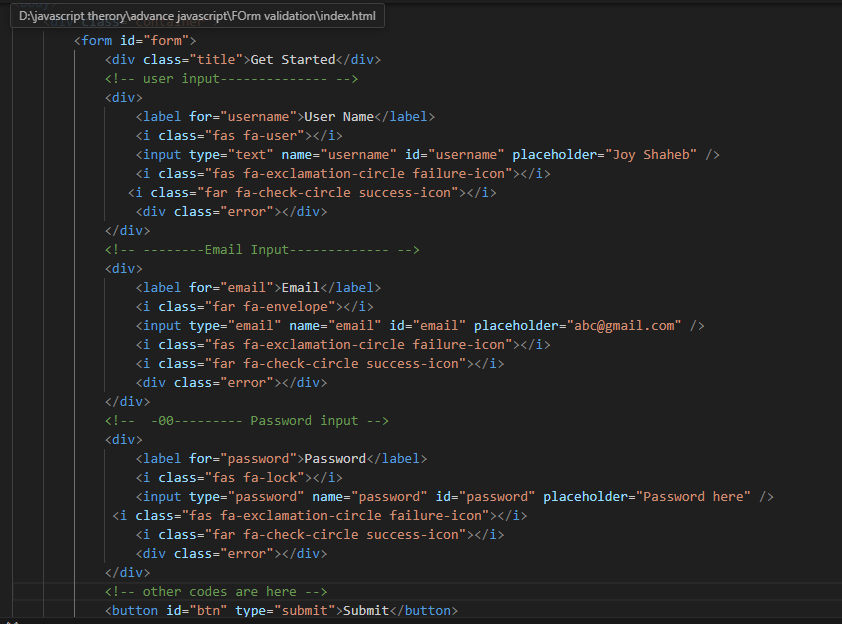
A-2) Create a responsive header using proper JavaScript.



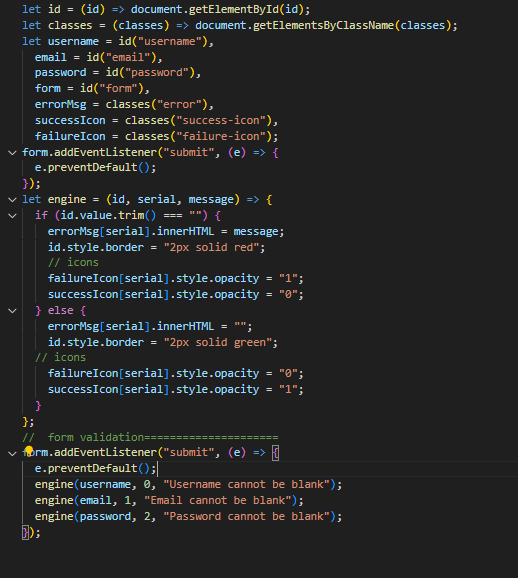
Output:



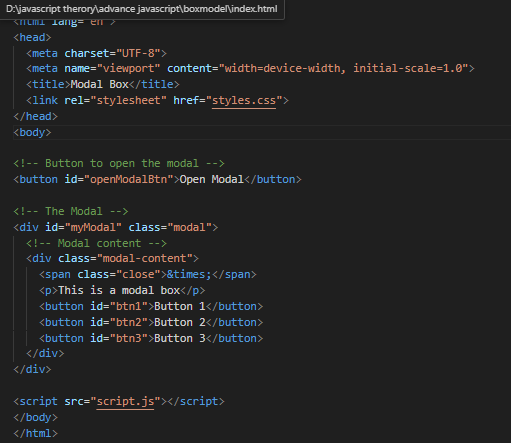
A-3) Create a form and validate using JavaScript



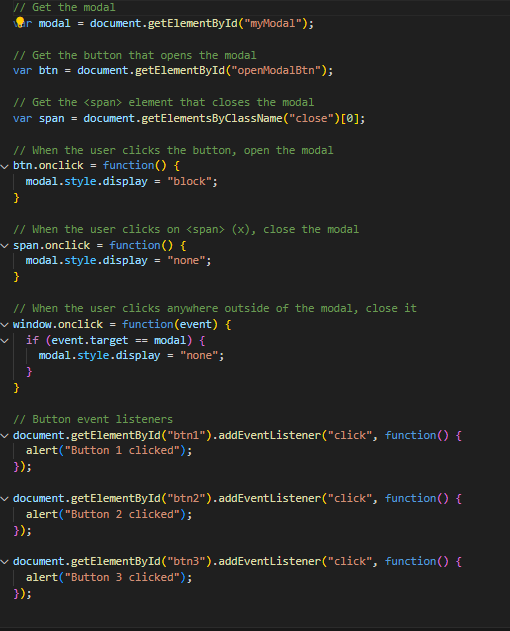
scriptjs



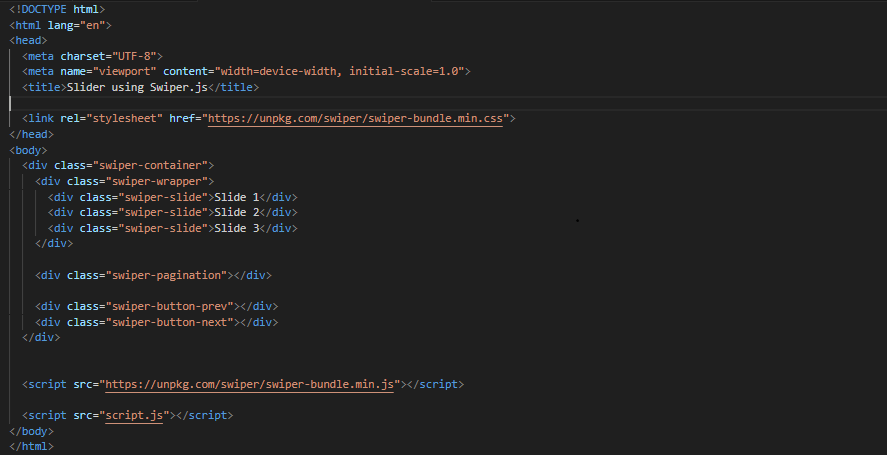
A-4) Create a modal box using css and Js with three buttons.



scriptjs



A-5) Use external js library to show slider.



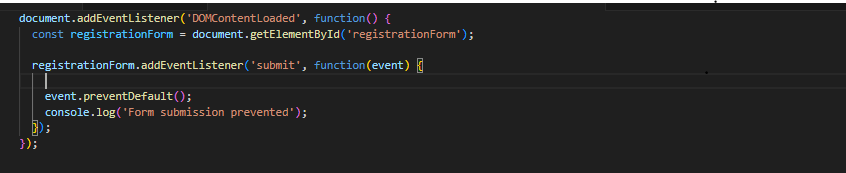
scriptjs



Q.19) Prevent the browser when i click the form submit button



scriptjs

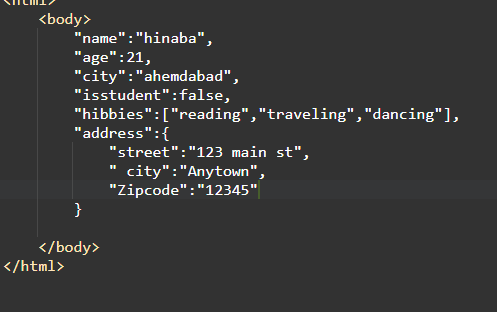


**New Request**

Q.20) What is JSON

A-20)

* JSON is a JavaScript Object Notation.
* JSON is often used for transmitting data between a server and a web application as it is a text-based format, making it ideal for data interchange.
* JSON data is represented as key-value pairs and supports arrays and nested objects.

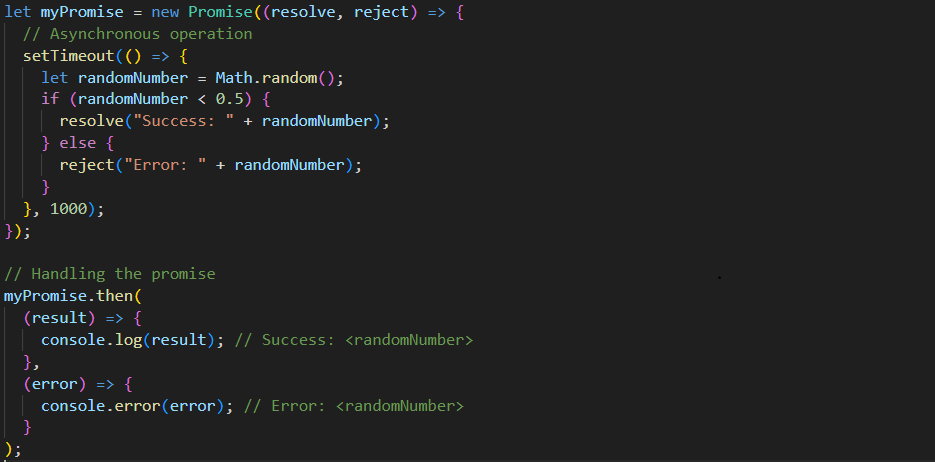


Q.21) What is promises

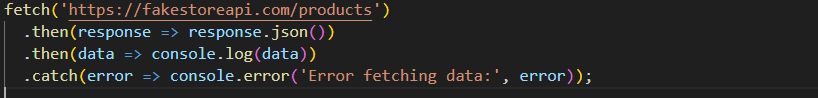
A-21)

* Promises are a feature in JavaScript used for asynchronous programming.
* They represent the eventual completion or failure of an asynchronous operation and its resulting value.
* Promises provide a cleaner and more maintainable way to handle asynchronous operations compared to traditional call-back functions.

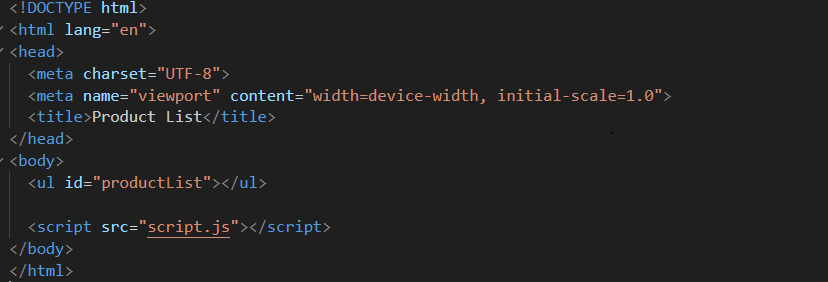
Q.22) Write a program of promises and handle that promises also



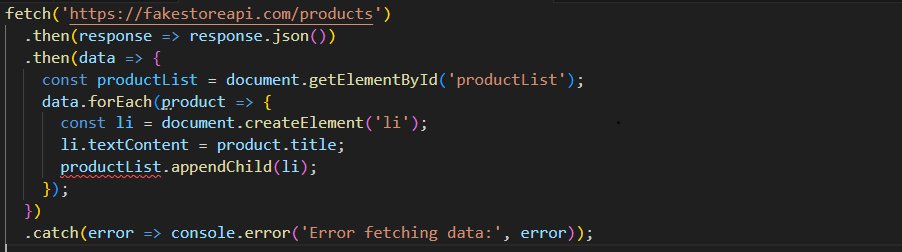
Q.23) Use fetch method for calling an api <https://fakestoreapi.com/products>



Q.24) Display all the product from the api in your HTML page



scriptjs



**JavaScript Essentials**

Q.24) Calculate subtotal price of quantity in JavaScript?

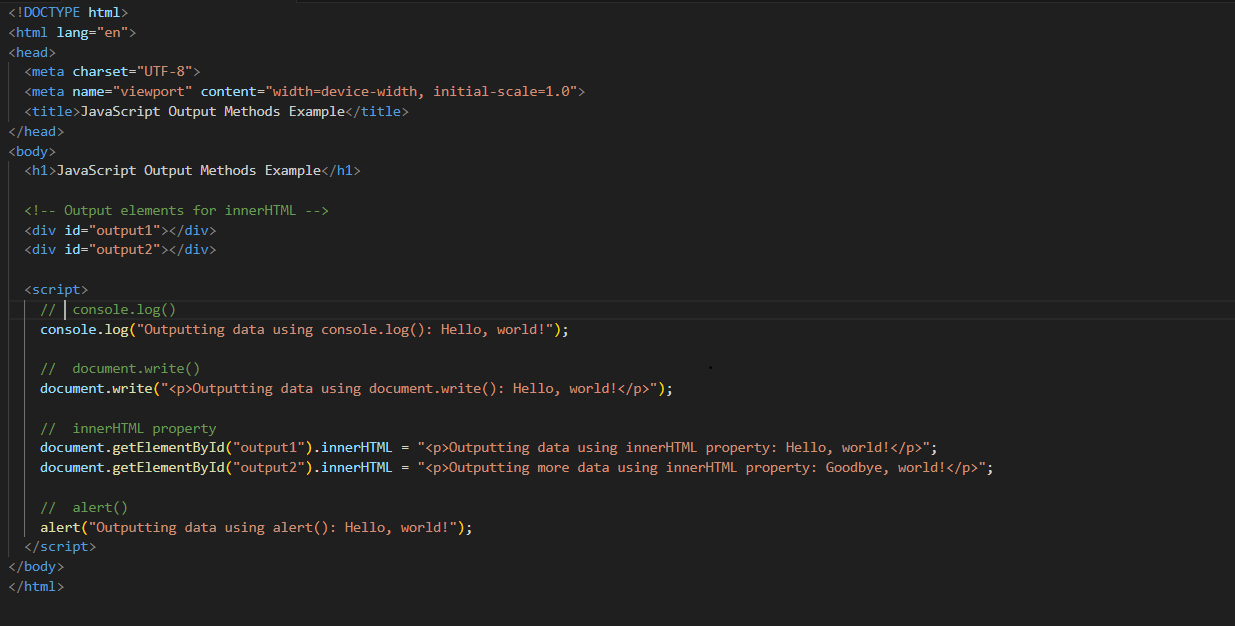


Q.25) What is JavaScript Output method?

A-25) JavaScript provides several methods for outputting data to the user, depending on the context and environment.



Q.26) How to used JavaScript Output method?



Q.27) How to used JavaScript Events to do all examples?

