Module-1:

Q1. Write a program to Show an alert



Q2. What will be the result for these expressions?

1. 5 > 4 -True

2. "apple" > "pineapple" - false

3. "2" > "12" - true

4. undefined == null - true

5. undefined === null - false

6. null == "\n0\n" - false

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

Q3. Will alert be shown? if ("0") { alert( 'Hello'); }

ANS. Yes, the alert will be shown.

Q4. What is the code below going to output? alert( null || 2 || undefined );

ANS. The code will output 2.

Q5. 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 confirm (‘did parents allow you?');

A

Q6. Replace Function Expressions with arrow functions in the code below:Function ask(question, yes, no) { if (confirm(question))y es(); elseno(); } ask("Do you agree?",function() { alert("You agreed."); }, function() { alert("Youcanceled the execution."); } }

ANS.

Module 2:

Q1. 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.

ANS.

a) Create an empty object user.

let user = {};

b) Add the property name with the value John.

user.name = "John";

c) Add the property surname with the value Smith.

user.surname = "Smith";

d) Change the value of the name to Pete.

user.name = "Pete";

e) Remove the property name from the object.

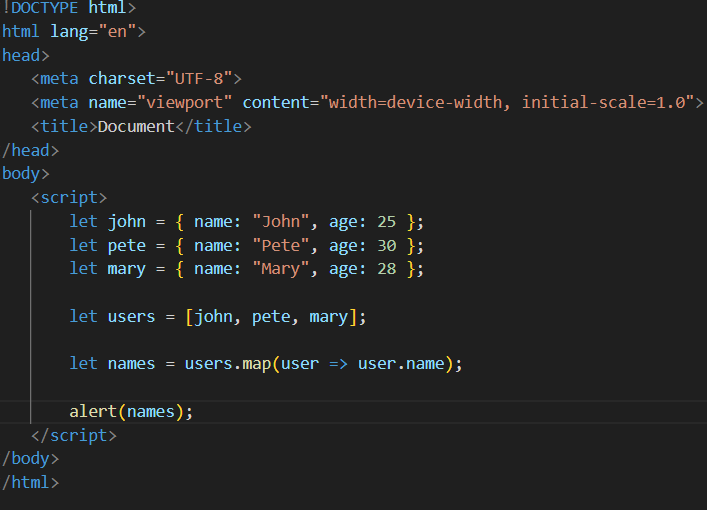
delete user.name;

Q2. Is array copied? let fruits = ["Apples", "Pear", "Orange"]; // push a new value into the "copy"let shoppingCart = fruits; shoppingCart.push("Banana"); // what's in fruits? alert( fruits.length ); // ?

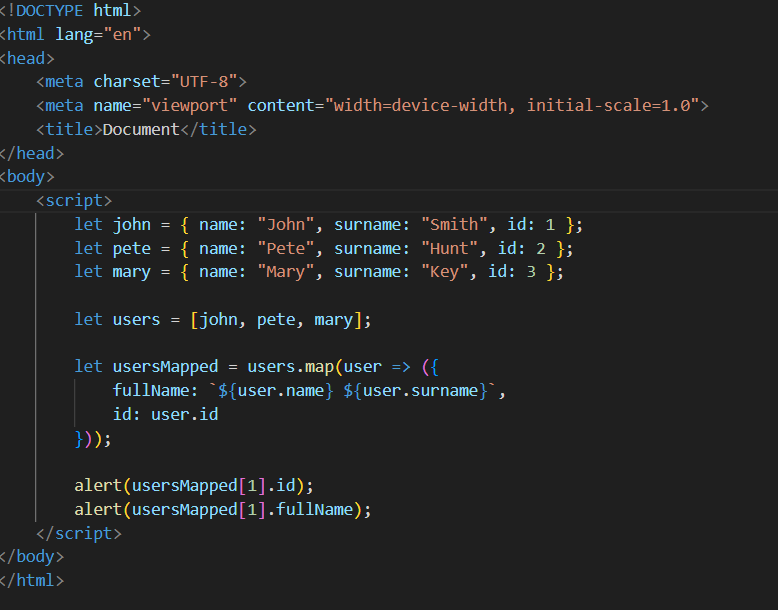
ANS. No, the array is not copied. When you assign fruits to shoppingCart, you are creating a new reference to the same array. Both fruits and shoppingCart point to the same array in memory.

So, when you push a new value into shoppingCart, you are modifying the original array. Therefore, fruits will also be updated.

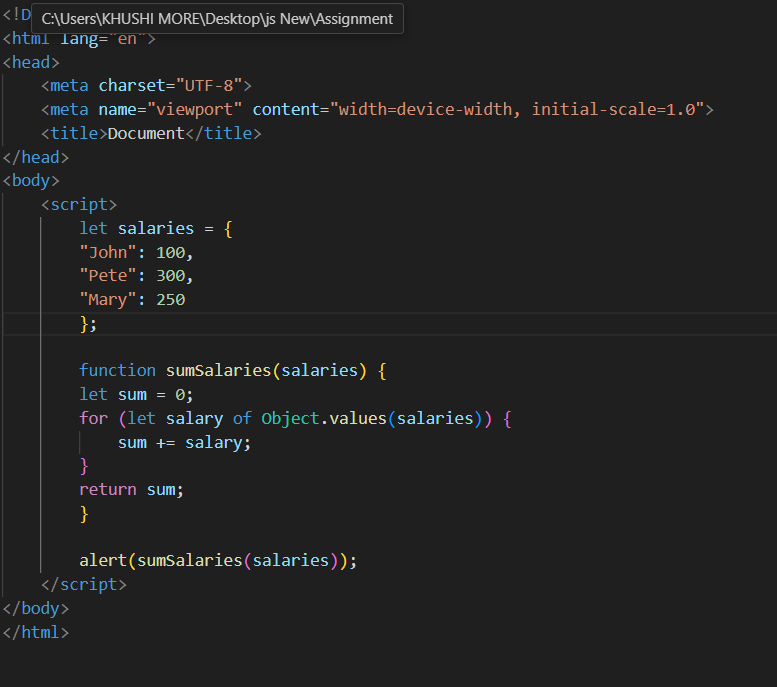
Q3. Map to names let john = { name: "John", age: 25 }; let pete = { name: "Pete", age: 30 }; letmary = { name: "Mary", age: 28 }; let users = [ john, pete, mary ]; let names = /\* ... your code \*/ alert( names ); // John, Pete, Mary



Q4. 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 = /\* ... yourcode ... \*/ /\* usersMapped = [ { fullName: "John Smith", id: 1 }, { fullName: "Pete Hunt", id: 2 }, { fullName: "Mary Key", id: 3 } ] \*/ alert( usersMapped[0].id ) // 1 alert( usersMapped[0].fullName ) // JohnSmith



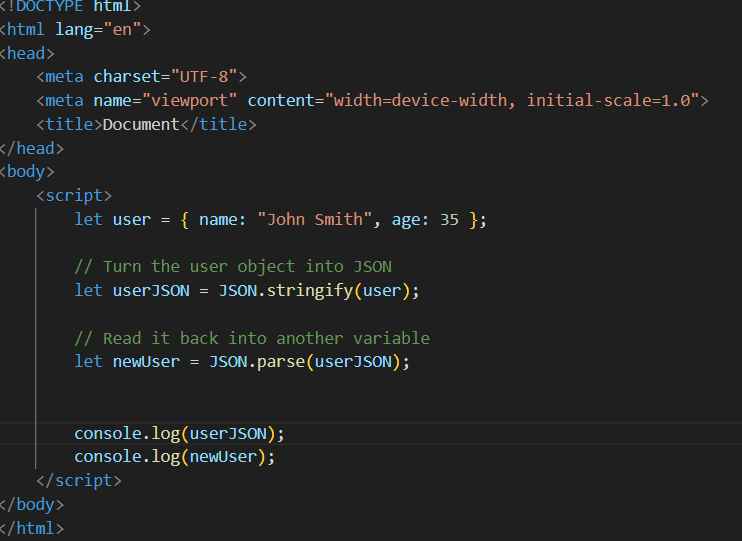
Q5. Sum the properties There is a salaries object with arbitrary number of salaries. Write the function sumSalaries(salaries) that returns the sum of all salaries using Object.values and the for..of loop.If salaries is empty, then the result mustbe 0. let salaries = { "John": 100, "Pete": 300, "Mary": 250 }; alert( sumSalaries(salaries) ); // 650



Q6. Destructuring assignment We have an object: Write the Destructuringassignment 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};

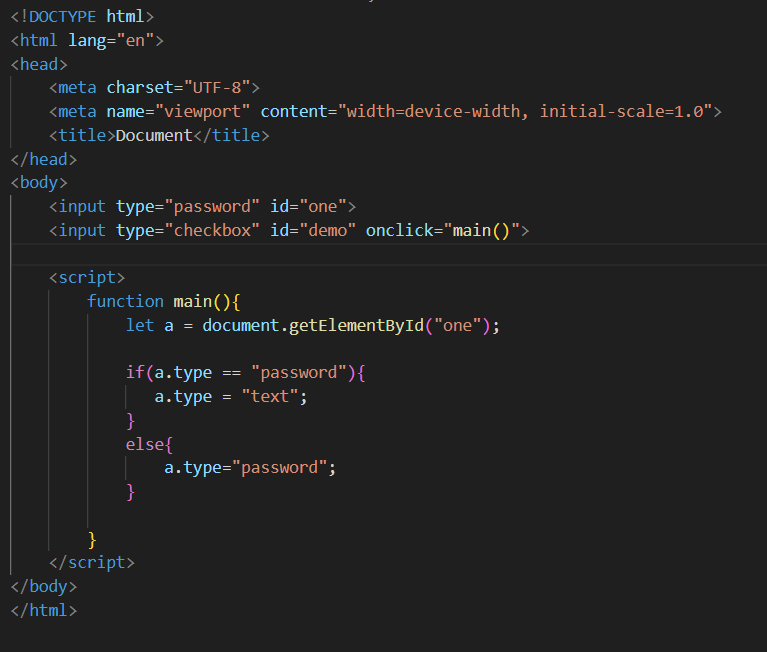
ANS.

Q7. Turn the object into JSON and back Turn the user into JSON and then read itback into another variable. user = { name: "John Smith", age: 35};

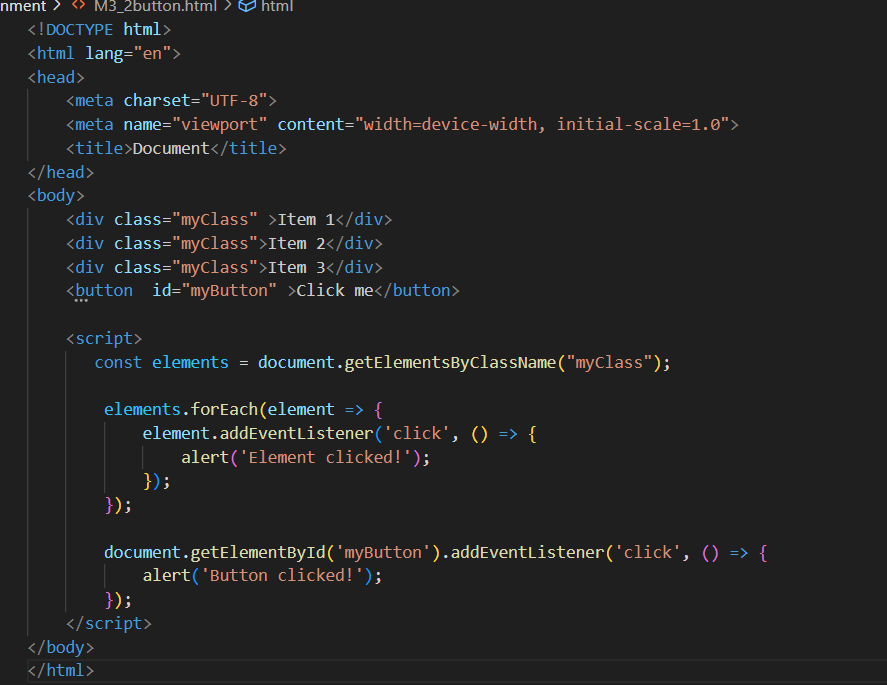


Module-3:

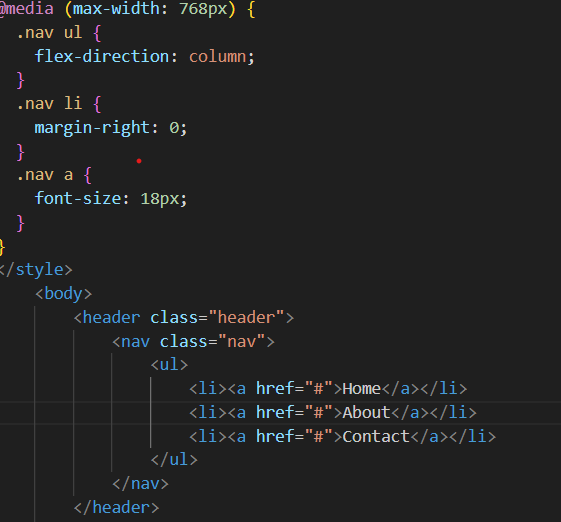
Q1. Create a program to hide/show the password.



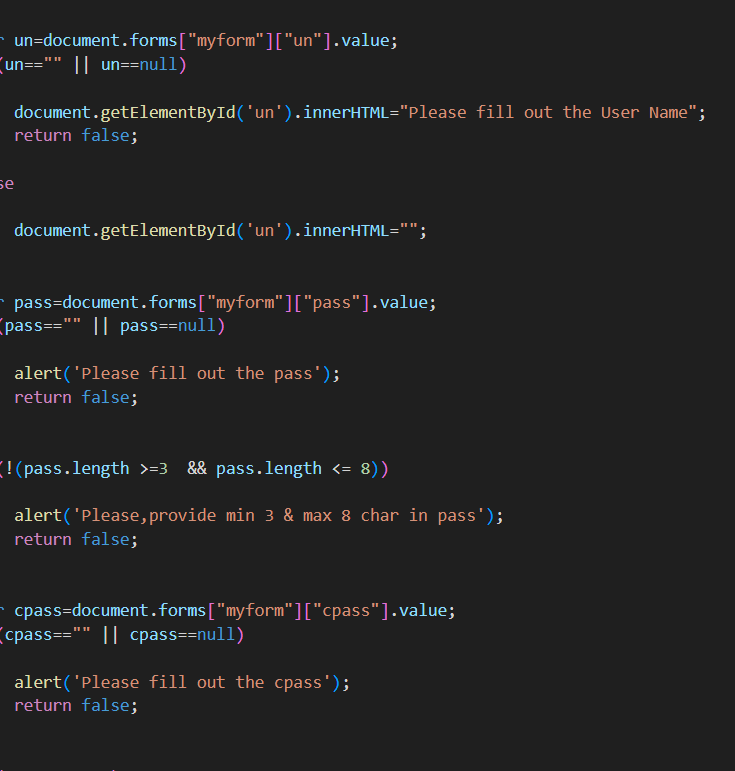
Q2. Create a program that will select all the classes and loop over and whenever iclick the button the alert should show



Q3. Create a responsive header using proper JavaScript



Q4. Create a form and validate using JavaScript



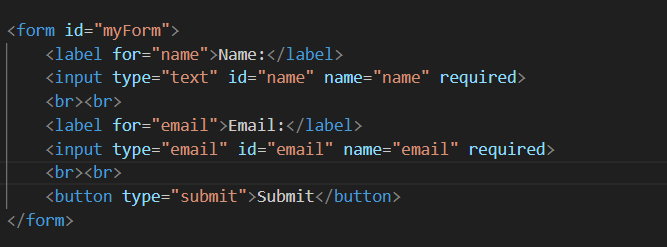
Q5. Create a modal box using css and Js with three buttons



Q6. Use external js library to show slider



Q7. Prevent the browser when i click the form submit button



Module-4:

Q1. What is JSON.

ANS. JSON stands for JavaScript Object Notation

JSON is a lightweight format for storing and transporting data

JSON is often used when data is sent from a server to a web page

JSON is "self-describing" and easy to understand

Q2. What is Promise

ANS. A JavaScript Promise object can be:

* Pending
* Fulfilled
* Rejected

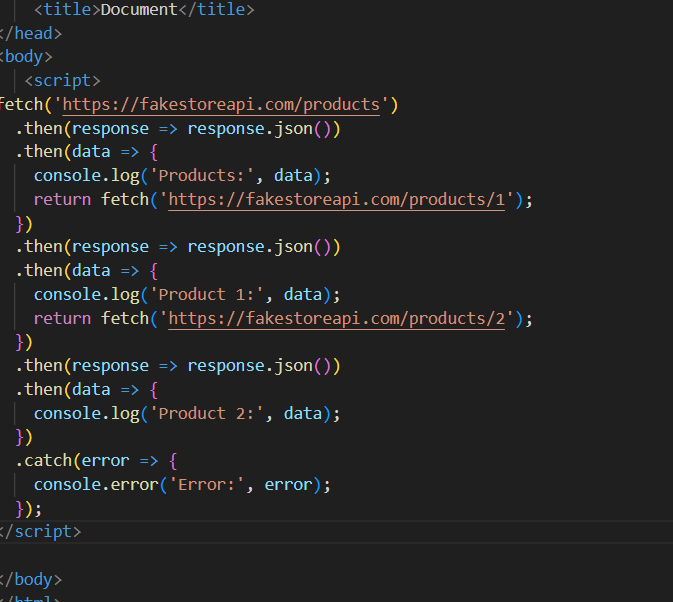
The Promise object supports two properties: state and result.

While a Promise object is "pending" (working), the result is undefined.

When a Promise object is "fulfilled", the result is a value.

When a Promise object is "rejected", the result is an error object.

Q3. Write a program of promises and handle that promises also • Use fetch method for calling an api https://fakestoreapi.com/products



Q4. Display all the product from the api in your HTML page

