Quiz - 01.

ID: 211-35-3153

Sy Answer to the Question No: 01

### Synchronous Java Script:

In synchronous code execution, statements and executed line by line, and each statement has to wait for the previous one to finish executing before moving to the next. This means that if there is a time-consuming task, it will block the execution of subsequent code until it completes.

#### Example:

console.log ("Finst"); console.log ("Second"); console.log ("Third");

In this example, "First" is logged first, followed by "Second" and then "Thind". The code execution is sequential and each "console. I og " waits for the previous. one to finish before executing.

## Asynchronous Java Script:

Asynchronous code allows tasks to be executed separately from the main program flow. This means that time-consuming tasks can be initiated and the program can continue to execute other code without waiting for the completion of those tasks.

### Example:

console.log ("First");

set Timeout (function());

console.log ("Second");

3,2000);

console.log ("Third");

In this enample, "First" is logged, then "set Timeout" is called with a cell back function that logs "Second after a delay of 2 seconds, Meonwhile, "Thind" is logged immediately often 'set Timeout" without waiting for the delay to complete.

# Answer to the Question NO: 02 <! DOCTYPE Litm/>

2 head) 2 title > Form Volidation 2/title >

1/head

1 htmls

2 body) Lh2> Form Validation </h2>

I form id="my Form" on submit = "validate Form (event)">

Llabel for = "name" > Name; //lable/>

I input type = "text" id = "name" name = "name" required //5

Llabel for="email"> Email: L/label)

Linput fortype = "email" id = "email" nane = "email" required)

Llabel for = "password" > Password: 4/label >

I Input type="password" id="password" name = "password" required > (16n)

2 input type = "submit" value = "submit">

2/form)

2 script)

Function validate Form (event) } event. prevent Default ();

(P.t.0)

```
const name = document. get Element By Id ('name'). value;
      const email = document. get [ ement By Id ( email). value;
     const password = document. get Element By Id ("password"). value;
     if (name == " ") {
         alent ('Please enter your name.");
         alent ('Please enter your email');
        if (! validate [mail (email)) {
           alent ("Please enter a valid email");
         if (password == 1)}
            alert ('Phease enter your password')
         return;
         alent ('Form submitted successfully!');
ZIbody) Z/html)
```

#### Answer to the Question No: 03