Assignment Advance JavaScript

MODULE: 4 (New Request)

Que.1   What is JSON

Ans.1   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.

Que.2   What is promises

Ans.2   JavaScript Promises to simplify managing multiple asynchronous operations, preventing callback hell and unmanageable code. They represent future values, associating handlers with eventual success or failure, resembling synchronous methods by postponing value delivery until later.

Que.3   Write a program of promises and handle that promises also

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>

<body>
    <h1 id="demo"></h1>
    <script>
        let promise = new Promise(function(resolve, reject) {
            const x = prompt("Enter your Name");
            const y = prompt("Enter your NickName");
            if (x === y) {
                resolve();
```

```
            } else {
                reject();
            }
        });

        promise.
        then(function() {
            console.log('Success');

        }).
        catch(function() {
            console.log('Some error has occurred');
        });
        document.getElementById('demo');
    </script>

</body>

</html>
```

Que.4&5   Use fetch method for calling an api <u>https://fakestoreapi.com/products</u> and Display all the product from the api in your HTML page

```
<!DOCTYPE html>
<html lang="en">

<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet"
        integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous">

</head>

<body>

    <button>click</button>
    <div class="container">
```

```html
        <div class="row" id="btn">

        </div>
    </div>

    <script>
        let btn = document.getElementById('btn')

        function Showdata(newdata) {
            for (let mydata of newdata) {
                console.log(mydata)
                let htmldata = `
                    <div class="col-md-3">
                        <div class="card" style="width: 18rem;">
                            <img src="${mydata.image}" class="card-img-top"
alt="...">

                            <div class="card-body">
                                <h5 class="card-title">${mydata.title}</h5>
                                <p class="card-
text">${mydata.description.slice(0,20)}</p>
                                <a href="#" class="btn btn-primary">Go
somewhere</a>

                            </div>
                        </div>
                    </div>
                `;
                btn.insertAdjacentHTML("afterbegin",htmldata)
            }
        }

        function fetchdata() {
            fetch('https://fakestoreapi.com/products')
                .then((res) => {
                    return res.json()
                })
                .then((data) => {
                    // console.log(data)
                    Showdata(data)
                })
                .catch((erorr) => {
                    console.error(erorr)
                })
        }
        fetchdata()
    </script>
```

```html
</body>

</html>
```