**Module-4(New Request)**

**1: What is JSON.**

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.

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**2: What is promises.**

A Promise is a proxy for a value not necessarily known when the promise is created. It allows you to associate handlers with an asynchronous action's eventual success value or failure reason.

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**3: Write a program of promises and handle that promises also.**

<!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>

<script>

var promise = new Promise(function(resolve, reject) {

const x = "ammar";

const y = "ammar"

if(x === y) {

resolve();

} else {

reject();

}

});

promise.

then(function () {

console.log('Success...!');

}).

catch(function () {

console.log('Some error has occurred');

});

</script>

</body>

</html>

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**4: Use fetch method for calling an api https://fakestoreapi.com/products.**

fetch('https://fakestoreapi.com/products').then((res)=>res.json()).then((Response)=>{ console.log(Response); }

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**5: Display all the product from the api in your HTML page.**

<!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>

<table border="1">

<thead>

<th>id</th>

<th>title</th>

<th>price</th>

<th>description</th>

</thead>

<tbody id="dispData"></tbody>

</table>

<script>

fetch('https://fakestoreapi.com/products').then((res)=>res.json()).then((Response)=>{

console.log(Response);

HtmlData = '';

Response.forEach(element => {

HtmlData+=`<tr>

<td>${element.id}</td>

<td>${element.title}</td>

<td>${element.price}</td>

<td>${element.description}</td>

</tr>`

});

document.querySelector('#dispData').innerHTML = HtmlData;

})

</script>

</body>

</html>