**New Request**

1. **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.

1. **What is promises .**

**Ans;**

A JavaScript Promise object contains both the

producing code and calls to the consuming code:

A JavaScript Promise object can be:

Pending

Fulfilled

Rejected

In JavaScript, a promise is a good way to handle asynchronous operations. It is used to find out if the asynchronous operation is successfully completed or not.

1. **Write a program of promises and handle that promises also .**

**Ans:**

**<!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>**

**/\***

**let songPublish = false;**

**let lottery = new Promise(function (resolve, reject)**

**{**

**setTimeout(function ()**

**{**

**if (songPublish)**

**{**

**resolve("Yes The song has been publish");**

**}**

**else**

**{**

**reject("Song will be publish in 10 days");**

**}**

**}, 2000);**

**});**

**lottery.then((response) => document.write(response)).catch((err) => document.write(err));**

**\*/**

**</script>**

**<script>**

**let code = new Promise(function (resolve, reject)**

**{**

**var marks=50;**

**if(marks>=40)**

**{**

**resolve("You are pass");**

**}**

**else**

**{**

**reject("You are fail");**

**}**

**});**

**code.then((resp)=> document.write(resp)).catch((err)=> document.write(err));**

**</script>**

**<p id="demo"></p>**

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

**Ans:**

<!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>

<!-- CSS only -->

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous" />

</head>

<body>

<div class="container">

<div id="loading" class="spinner-border text-muted mt-5"></div>

<div class="row" id="btn"></div>

</div>

<script>

let btn = document.getElementById("btn");

function showData(data) {

for (const myData of data) {

let htmlData = ` <div class="col-md-3">

<div class="card">

<img src="${myData.thumbnailUrl}" class="card-img-top" alt="" />

<div class="card-body">

<h5 class="card-title">${myData.title}</h5>

</div>

</div>

</div>`;

btn.insertAdjacentHTML("afterbegin", htmlData);

}

}

fetch("https://fakestoreapi.com/products")

.then((response) => {

return response.json();

})

.then((data) => {

showData(data)

document.getElementById('loading').style.display = "none";

})

.catch((err) => console.log(err));

</script>

</body>

</html>

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

**Ans:**

