Assignment 5b

Roll No: 71 Batch T14

Aim: Write a JavaScript program to implement the concept of Promise. Access the data from any API using Promise and either resolve or reject the request by taking appropriate action.

Code:

```
<!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-</pre>
scale=1.0" />
    <title>Document</title>
  </head>
  <body></body>
  <script>
    function fetchData(url, params) {
      return new Promise((resolve, reject) => {
        if (!params) {
          reject(new Error("Params are missing"));
          return;
        fetch(url, {
          method: "GET",
          headers: {
            "Content-Type": "application/json",
          },
        })
          .then((response) => {
            if (!response.ok) {
              throw new Error(`HTTP error! Status:
${response.status}`);
            return response.json();
          })
          .then((data) => {
            resolve(data);
          })
          .catch((error) => {
            reject(error);
          });
      });
```

```
}
let params = { key: "europe" };

let url = `https://restcountries.com/v3.1/region/${params.key}`;
console.log(url);
fetchData(url, params)
    .then((data) => {
        console.log("Data fetched:", data);
    })
    .catch((error) => {
        console.error("Error fetching data:", error);
    });
</script>
</html>
```

Output:

On changing params.key:

```
https://restcountries.com/v3.1/region/infia promise.html:70

v 6ET https://restcountries.com/v3.1/region/infia 404 (Not Found) promise.html:50 (anonymous) @ promise.html:50 (anonymous) @ promise.html:50 (anonymous) @ promise.html:80

v Error fetching data: Error: HTTP error! Status: 404 promise.html:61:21 (anonymous) @ promise.html:85

Promise.cotch (async) (anonymous) @ promise.html:84
```