

Practical- 10

AIM 1) : Write a JS to call API(given below) in Async/Await mode, fetch different types of data from it and display it on a web page. Call Minimum of 03 APIs and show their result on web page.

Source 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-scale=1.0">
    <title>Document</title>
  </head>
  <body> <script>
    async function dog()
    {
      const response = await fetch("https://dog.ceo/api/breeds/image/random");
      const ans = await
      response.json();
      document.getElementById("image").src = ans["message"];
    }
    setInterval(dog,1000)
  </script>
  <img src="" alt="" id="image">
  </body>
</html>
```

Output :



AIM 2) : fetch the details of the person and display it in table format.

Source code :

```
<!DOCTYPE html>
<html>
  <head>
    <title>Top Universities by Country</title>
  </head>
  <body>
    <h1>Top 5 Universities in a Country</h1>
    <form>
      <label for="country">Enter Country Name:</label>
      <input type="text" id="country" name="country" required>
      <button type="submit">Submit</button>
    </form>
    <div id="results"></div>
    <script>
      const form = document.querySelector("form");
      form.addEventListener("submit", async event => {
        event.preventDefault();
        const country = document.getElementById("country").value; const
        fetchUniversities = async () => { const response = await
        fetch(`http://universities.hipolabs.com/search?country=${country}`); const data = await
        response.json(); return data.slice(0, 5);
        };
        const displayData = async () => { const universities = await
        fetchUniversities(); const table
        = document.createElement("table"); const thead = table.createTHead();const tbody
        =
        table.createTBody();
        const headers = ["Country", "City", "State", "University"]; const headerRow =
        thead.insertRow(); headers.forEach(header => { const th =
        document.createElement("th");
        const text = document.createTextNode(header); th.appendChild(text);
        headerRow.appendChild(th);
```

```

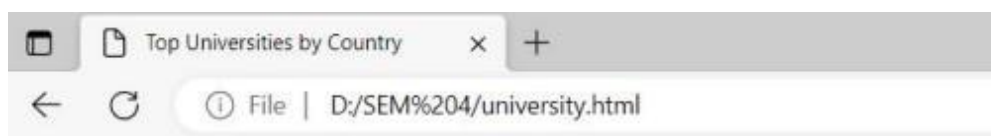
});

universities.forEach(university => { const row = tbody.insertRow(); const
countryCell =
row.insertCell(); const cityCell = row.insertCell(); const stateCell =
row.insertCell();
const universityCell = row.insertCell(); countryCell.innerHTML =
university.country;
cityCell.innerHTML = university.city; stateCell.innerHTML =
university.state;
universityCell.innerHTML = university.name;
});

const results = document.getElementById("results"); results.innerHTML =
"";
results.appendChild(table);
};
await displayData();
});
</script>
</body> </html>

```

Output :



Top 5 Universities in a Country

Enter Country Name:

Country	City	State	University
India	undefined	undefined	University of Petroleum and Energy Studies
India	undefined	undefined	DAV Institute of Engineering & Technology
India	undefined	undefined	Lovely Professional University
India	undefined	undefined	Somaiya Vidyavihar
India	undefined	undefined	NorthCap University