**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

**Chandubhai S Patel Institute of Technology**

**U & P U. Patel Department of Computer Engineering**

**Subject Name:** Advanced Web Technology

**Subject Code:** CE354

**Semester:** 5th **Academic Year:** 2023-24

Practical 14

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| **Aim:** | **Convert a Promise-based asynchronous function into an async/await style function. For example, rewrite a function that fetches data from an API using async/await. Write a program that utilizes multiple async/await functions to fetch data from different APIs sequentially and display the combined results.** |
| **Code:** | *// function fetchDataFromAPI() {*  *//   return new Promise((resolve, reject) => {*  *//     setTimeout(() => {*  *//       const data = { name: "John", age: 30, city: "New York" };*  *//       resolve(data);*  *//     }, 2000);*  *//   });*  *// }*  *// async function fetchDataFromAPI() {*  *//   return new Promise((resolve, reject) => {*  *//     setTimeout(() => {*  *//       const data = { name: "John", age: 30, city: "New York" };*  *//       resolve(data);*  *//     }, 2000);*  *//   });*  *// }*  async function fetchUserDataFromAPI1() {    return new Promise((*resolve*, *reject*) => {      setTimeout(() => {        const data = { name: "Ronak", age: 20, city: "Changa" };        resolve(data);      }, 1500);    });  }  async function fetchUserDataFromAPI2() {    return new Promise((*resolve*, *reject*) => {      setTimeout(() => {        const data = { name: "Keval", age: 20, city: "Changa" };        resolve(data);      }, 1000);    });  }  async function fetchUserDataFromAPI3() {    return new Promise((*resolve*, *reject*) => {      setTimeout(() => {        const data = { name: "Darshan", age: 20, city: "Nadiad" };        resolve(data);      }, 2000);    });  }  async function fetchDataSequentially() {    try {      const userData1 = await fetchUserDataFromAPI1();      console.log("User 1:", userData1);      const userData2 = await fetchUserDataFromAPI2();      console.log("User 2:", userData2);      const userData3 = await fetchUserDataFromAPI3();      console.log("User 3:", userData3);      console.log("All data fetched successfully!");    } catch (error) {      console.error("Error:", error);    }  }  console.log("Fetching user data sequentially...");  fetchDataSequentially(); |
| **Output:** |  |