**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 11

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| **Aim:** | **Write a program that demonstrates asynchronous behavior using a callback function. For example, create a function that simulates fetching data from an API and invokes a callback with the fetched data** |
| **Code:** | function fetchDataFromAPI(*callback*) {    setTimeout(() => {      const data = { name: "Ronak", age: 20, city: "Changa" };      callback(data);    }, 2000);  }  function processFetchedData(*data*) {    console.log("Data received:", *data*);    console.log("Processing data...");    console.log("Data processing completed.");  }  console.log("Fetching data...");  fetchDataFromAPI(processFetchedData);  console.log("Data fetch operation initiated.");  console.log("Program continues to execute other tasks..."); |
| **Output:** |  |