## Practical-11

```
function getTime()
   return new Date().toLocaleTimeString();
function fetchDataFromAPI(callback) {
   console.log(`[${getTime()}] Fetching data from API...`);
    setTimeout(() => {
      const data = { id: 1, name: "Trith", role: "Cyber Security Engineer" };
       console.log(`[${getTime()}] Data retrieved!`);
       callback(data);
    }, 2000);
function displayData(data) {
    console.log(`[${getTime()}] Displaying Data:`, data);
fetchDataFromAPI(displayData);
function fetchUser(callback) {
   console.log(`[${getTime())}] Starting user data fetch...`);
    setTimeout(() => {
        console.log(`[${getTime()}] User data fetched`);
       callback({ userId: 101, username: "JohnDoe" });
    }, 1000);
function fetchPosts(user, callback) {
   console.log(`[${getTime()}] Fetching posts for ${user.username}...`);
    setTimeout(() => {
       console.log(`[${getTime()}] Posts fetched for ${user.username}`);
callback(["Post 1", "Post 2", "Post 3"]);
    }, 3000);
function displayPosts(posts) {
   console.log(`[${getTime()}] User Posts:`, posts);
fetchUser((user) => {
    fetchPosts(user, (posts) => {
       displayPosts(posts);
```

## Practical-12

```
const fs = require("fs");
function readFileContent(filePath, callback) {
    fs.readFile(filePath, "utf8", (err, data) => {
        if (err) {
            console.log("Error reading file:", err.message);
            return;
        }
        callback(data);
    });

function displayContent(content) {
    console.log("File Content:\n" + content);
    }

readFileContent("file1.txt", displayContent);
```

## Practical-13

## Practical-14

```
async function getAllData() {
    try {
        console.log("Fetching weather data...");
        const weatherRes = await fetch("https://api.open-meteo.com/v1/forecast?latitude=20&longitude=7&&current_weather=true");
        const weatherData = await weatherRes.json();
        console.log("Weather Data:", weatherData);

        console.log("Fetching news data...");
        const newsRes = await fetch("https://newsapi.org/v2/top-headlines?country=in&apiKey=YOUR_NEWSAPI_KEY");
        const newsRes.json();
        console.log("News Data:", newsData);

        console.log("Merging data...");
        console.log("Merging data...");
        const mergedData = { weather: weatherData, news: newsData };
        console.log("Merged Data:", mergedData);

} catch (error) {
        console.error("Error fetching data:", error);
    }
}

getAllData();
```