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**Sem: 5      Batch: 51      Branch: CBA**

**Sub: Microservices**

## **Practical 3**

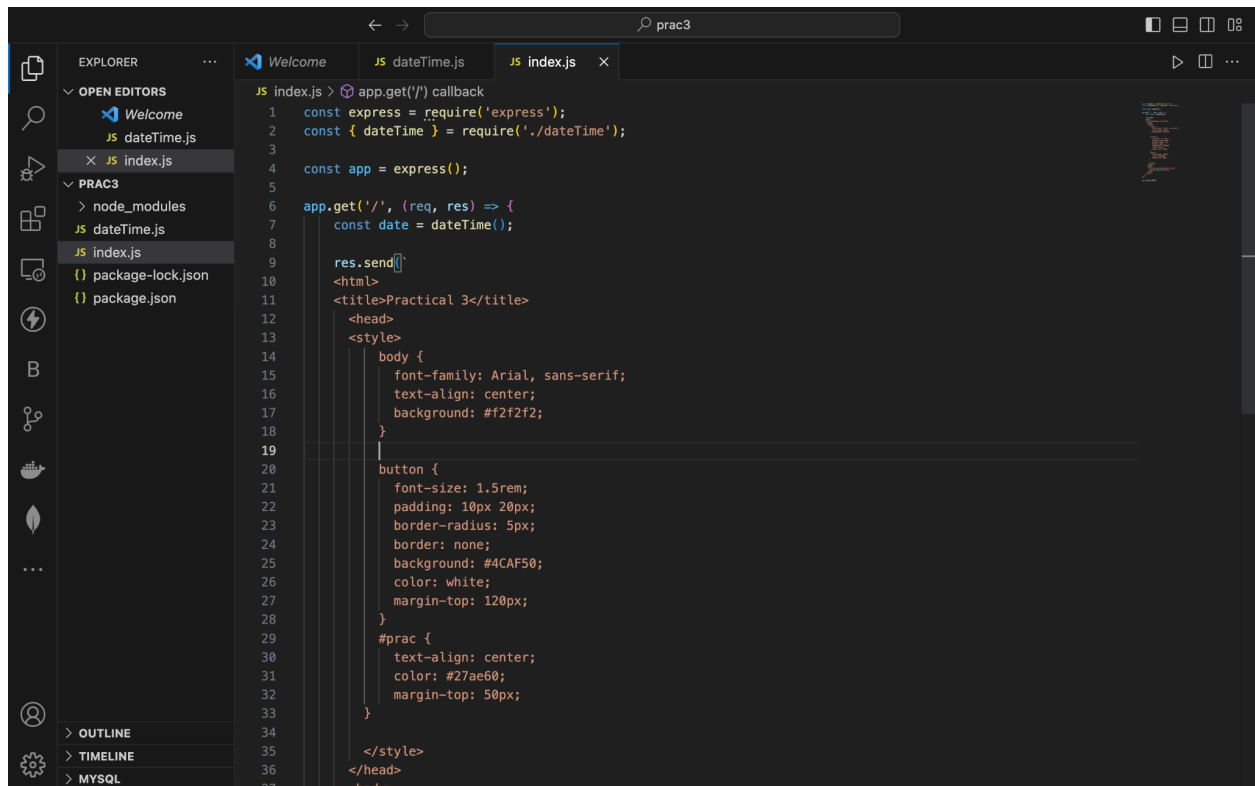
**AIM:** You are building a Node.js application for a scheduling platform. As part of the functionality, you need to display the current date and time whenever a user interacts with the platform.

To achieve this, create a custom dateTimeModule in Node.js that provides the current date and time in a formatted manner. Once you have created the module, demonstrate how you would use it in your main application file (app.js) to display the current date and time whenever a user performs a certain action.

**GITHUB LINK:**

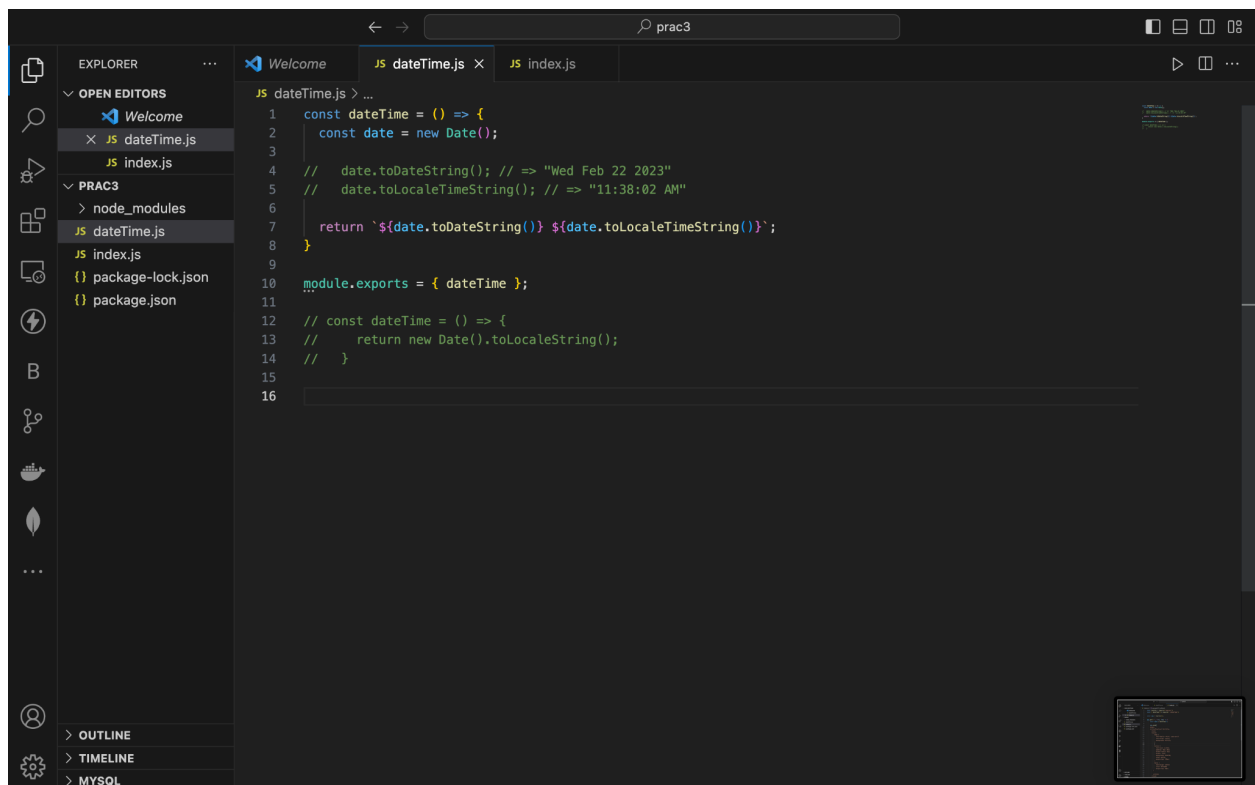
**[https://github.com/Shivam3783/microservice\\_practicals/tree/main/prac3](https://github.com/Shivam3783/microservice_practicals/tree/main/prac3)**

## CODE:



The screenshot shows the VS Code editor interface with the Explorer sidebar on the left. The Explorer sidebar shows the project structure for 'prac3', including 'node\_modules', 'package-lock.json', and 'package.json'. The main editor area displays the 'index.js' file, which is a Node.js application using Express.js. The code defines an Express app, sets a static directory, and defines a GET route for the root path. The route sends an HTML response with a title 'Practical 3' and a style block. The style block defines a body with a font-family of 'Arial, sans-serif', text-align of 'center', and a background color of '#f2f2f2'. It also defines a button with a font-size of '1.5rem', padding of '10px 20px', border-radius of '5px', border of 'none', background color of '#4CAF50', color of 'white', and margin-top of '120px'. The button is centered within a container with text-align 'center', color '#27ae60', and margin-top '50px'.

```
1 const express = require('express');
2 const { dateTime } = require('./dateTime');
3
4 const app = express();
5
6 app.get('/', (req, res) => {
7   const date = dateTime();
8
9   res.send(`
10     <html>
11     <title>Practical 3</title>
12     <head>
13     <style>
14       body {
15         font-family: Arial, sans-serif;
16         text-align: center;
17         background: #f2f2f2;
18       }
19
20       button {
21         font-size: 1.5rem;
22         padding: 10px 20px;
23         border-radius: 5px;
24         border: none;
25         background: #4CAF50;
26         color: white;
27         margin-top: 120px;
28       }
29
30       #prac {
31         text-align: center;
32         color: #27ae60;
33         margin-top: 50px;
34       }
35     </style>
36     </head>
37     <body>
```



The screenshot shows the VS Code editor interface with the Explorer sidebar on the left. The Explorer sidebar shows the project structure for 'prac3', including 'node\_modules', 'package-lock.json', and 'package.json'. The main editor area displays the 'dateTime.js' file, which is a module that exports a 'dateTime' function. The function returns a string in the format 'YYYY-MM-DD HH:MM:SS AM/PM'. The code uses the 'Date' object to get the current date and time, and formats it using 'toISOString()' and 'toLocaleTimeString()' methods. The module exports the 'dateTime' function as the default export.

```
1 const dateTime = () => {
2   const date = new Date();
3
4   // date.toISOString(); // => "Wed Feb 22 2023"
5   // date.toLocaleTimeString(); // => "11:38:02 AM"
6
7   return `${date.toISOString()} ${date.toLocaleTimeString()}`;
8 }
9
10 module.exports = { dateTime };
11
12 // const dateTime = () => {
13 //   return new Date().toLocaleString();
14 // }
15
16
```

## OUTPUT:

