

INTERNAL ASSIGNMENT



Graphic Era
Deemed to be University

INTERNAL ASSIGNMENT

Course Code: OMC-108

Course Title: Full Stack Development Laboratory

Name: Deepankar Sharma

Student Id: 233512013

Answer any four.

Q.No.	Question
1	<p>Create an XHTML page that provides information about the MCA department, at Graphic Era University. The XHTML page must use the following tags:</p> <ul style="list-style-type: none">• Links - Anchor tag• Images• Tables <p>(If needed use other tags for better presentation)</p> <pre><?xml version="1.0" encoding="UTF-8"?> <!DOCTYPE html> <html xmlns="https://www.w3.org/1999/xhtml"> <head> <title>MCA Department at Graphic Era University</title> <style> table { width: 100%; border-collapse: collapse; } th, td { border: 1px solid black; padding: 8px; text-align: left; } </style> </head> <body> <h1>MCA Department at Graphic Era University</h1> <h2>About</h2> <p>The MCA (Master of Computer Applications) department at Graphic Era University is renowned for its quality education and experienced faculty.</p> <h2>Programs Offered</h2> MCA Program <h2>Gallery</h2> </pre>

```

<h2>Faculty Directory</h2>
<table>
  <tr>
    <th>Name</th>
    <th>Designation</th>
    <th>Email</th>
  </tr>
  <tr>
    <td>Ms. Vaishnavi T.</td>
    <td>Assistant Professor</td>
    <td>vaishnavi.t@geu.ac.in </td>
  </tr>
  <tr>
    <td>Info DDOE</td>
    <td>Inquiries & Helpline </td>
    <td>info.doe@geu.ac.in</td>
  </tr>
</table>
<h2>Contact Information</h2>
<p>For inquiries and more information, please contact:</p>
<p>Graphic Era University,<br/>566/6, Bell Road, Clement Town Dehradun-248002, Uttarakhand, India</p>
<p>Phone: +91-135-2643420, 2642727<br/>Email: info@geu.ac.in</p>
</body>
</html>

```

MCA Department at Graphic Era University

About

The MCA (Master of Computer Applications) department at Graphic Era University is renowned for its quality education and experienced faculty.

Programs Offered

- [MCA Program](#)

Gallery



Faculty Directory

Name	Designation	Email
Ms. Vaishnavi T.	Assistant Professor	vaishnavi.t@geu.ac.in
Info DDOE	Inquiries & Helpline	info.doe@geu.ac.in

Contact Information

For inquiries and more information, please contact:

Graphic Era University,
566/6, Bell Road, Clement Town Dehradun-248002, Uttarakhand, India

Phone: +91-135-2643420, 2642727
Email: info@geu.ac.in

- 2 Write a JavaScript function called "SumofDigits" that accepts a number as a parameter and returns the sum of all digits of that number. Test the function with different inputs. Write the JavaScript function in a separate .js file.

```
const readline = require("readline");
const rl = readline.createInterface({
  input: process.stdin,
  output: process.stdout,
});

function SumofDigits(number) {
  let numString = number.toString();
  let sum = 0;

  for (let i = 0; i < numString.length; i++) {
    sum += parseInt(numString[i]);
  }

  return sum;
}

rl.question("Enter the number: ", function (answer) {
  console.log('The sum of digits is: ${SumofDigits(answer)}');
  rl.close();
});
```

```
File Edit Selection View Go Run Terminal Help OMC108 Full Stack Development Laboratory
```

EXPLORED 01_xhtml_mca.html M JS 02_javascript_function.js U X

GROUP 1

- 01_xhtml_mca.html M
- JS 02_javascript_function.js U

GROUP 2

- OMC108 - Lab Manual.pdf

OMC108 FULL STACK DEVELOPMENT LABORATORY

- Code
- assets
- mca_department.html U
- 01_xhtml_mca.html M
- JS 02_javascript_function.js U
- Notes
- ~\$C108_233512... U
- OMC108 - Lab Manual.pdf
- OMC108_233512... U
- tmp

```
Code > JS 02_javascript_function.js > ...
5  });
6
7
8  function SumofDigits(number) {
9    let numString = number.toString();
10   let sum = 0;
11
12   for (let i = 0; i < numString.length; i++) {
13     sum += parseInt(numString[i]);
14   }
15
16   return sum;
17 }
18
19 rl.question("Enter the number: ", function (answer) {
```

PROBLEMS OUTPUT TERMINAL PORTS COMMENTS DEBUG CONSOLE

```
PS C:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory> node "c:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory\Code\02_javascript_function.js"
Enter the number: 123
The sum of digits is: 6
PS C:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory> node "c:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory\Code\02_javascript_function.js"
Enter the number: 457
The sum of digits is: 16
PS C:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory> node "c:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory\Code\02_javascript_function.js"
Enter the number: 56
The sum of digits is: 11
PS C:\Deepankar\MCA-semester01\Semester 01\OMC108 Full Stack Development Laboratory>
```

INTERNAL ASSIGNMENT

OMC108 - Lab Manual.pdf

1 of 1

INTERNAL ASSIGNMENT

Course Code: OMC108 Last Date of Submission: 14/02/24

Course Title: Full Stack Development Laboratory Maximum Marks: 30

Note:

- The code snippets of all the five programs should be included in a word document.
- Submission of the output should also be included in the document at the end of each program.
- Follow the naming convention for the documents: OMC108_StudentID_Name_Lab_Manual.pdf

Answer any four:

Q.No.	Question	CO
1	Choose an HTML5 page that provides information about the UCA Department at Graphic Era University. The HTML5 page must use the following tags: <ul style="list-style-type: none">Labels - Anchor tagImagesTables (If needed use other tags for better presentation)	1
2	Write a JavaScript function called "SumofDigits" that accepts a number as a parameter and returns the sum of all digits of that number. Test the function with different inputs. Write the JavaScript function in a separate .js file.	2
3	Create an HTML5 page with 3 paragraphs displayed using different colors. Implement a JavaScript function that changes the first color of a paragraph to blue when a user hovers over it and reverts it back to the original color when the	2

Ln 23, Col 11 Spaces: 4 UTF-8 CRLF JavaScript Port: 5500 tabnine starter

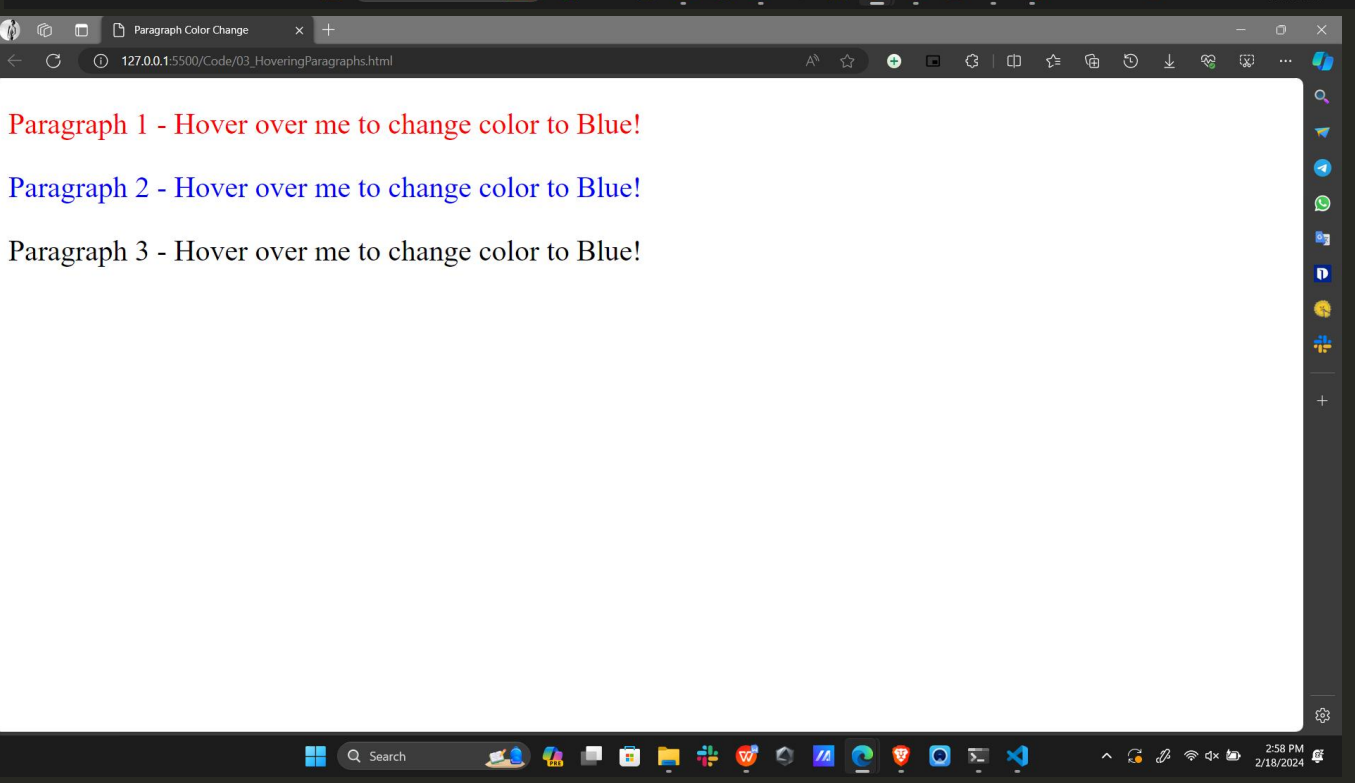
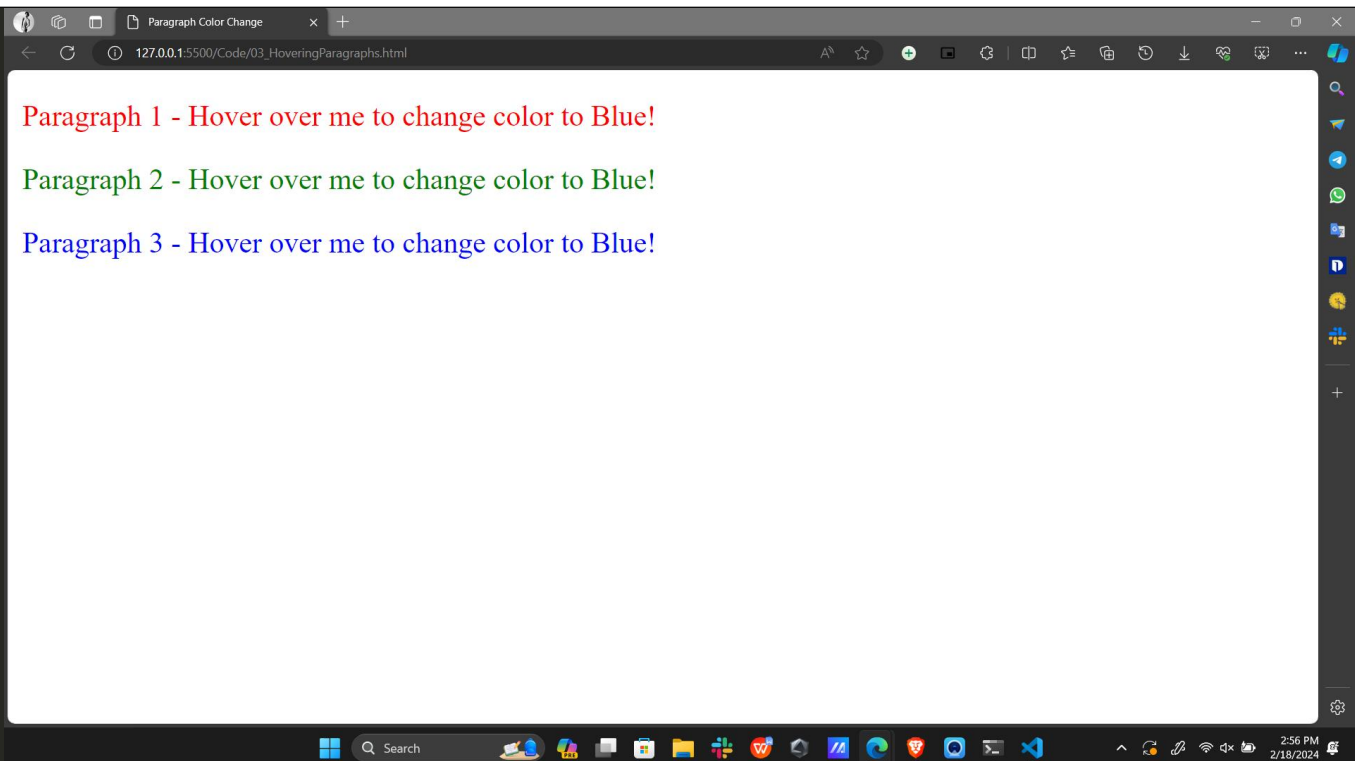
2:49 PM 2/18/2024

3

Create an XHTML page with 3 paragraphs displayed using different colors. Implement a JavaScript function that changes the font color of a paragraph to blue when a user hovers over it and reverts it back to the original color when the mouse leaves.

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE html>
<html xmlns="https://www.w3.org/1999/xhtml/">
<head>
  <title>Paragraph Color Change</title>
  <style>
    #para1 {
      color: red;
    }
    #para2 {
      color: green;
    }
    #para3 {
      color: black;
    }
  </style>
  <script>
    function changeColorToBlue(paraId) {
      document.getElementById(paraId).style.color = 'blue';
    }

    function revertColor(paraId, originalColor) {
      document.getElementById(paraId).style.color = originalColor;
    }
  </script>
</head>
<body>
  <p id="para1" onmouseover="changeColorToBlue('para1')" onmouseout="revertColor('para1', 'red')">Paragraph 1 - Hover over me to change color to Blue!</p>
  <p id="para2" onmouseover="changeColorToBlue('para2')" onmouseout="revertColor('para2', 'green')">Paragraph 2 - Hover over me to change color to Blue!</p>
  <p id="para3" onmouseover="changeColorToBlue('para3')" onmouseout="revertColor('para3', 'black')">Paragraph 3 - Hover over me to change color to Blue!</p>
</body>
</html>
```



5

Create a React Application to display the message “Developing using ReactJS,Graphic Era University”.

```
import logo from './logo.svg';
import logo_geu from './GEU.jpeg';
import './App.css';

function App() {
  return (
```

```

<div className="App">
  <header className="App-header">
    <img src={logo} className="App-logo" alt="logo" />
    <img src={logo_geu} className="geu-logo" alt="logo" height="200" />
  <p>
    /* Edit <code>src/App.js</code> and save to reload. */
    Developing using React.JS, Graphic Era University.
  </p>
  <a
    className="App-link"
    href="https://reactjs.org"
    target="_blank"
    rel="noopener noreferrer"
  >
    /* Learn React */
  </a>
</header>
</div>
);
}
export default App;

```

