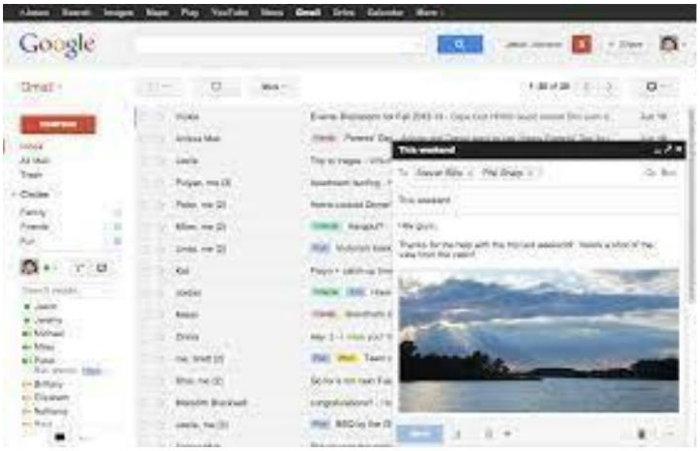
Program 1: Demonstrate E-mail working (sending, receiving, forward).

Step 1: Sending an Email.

1. Open a web browser and go to Gmail's website.
2. Enter the email ID and Password to log in .
3. Click on the 'compose button usually found on the top of the left corner.
4. In the 'to' field, type in the email address of the recipient.
5. If needed , add more recipients in the 'Cc' or 'Bcc' fields.
6. Write a brief ,relevant line in the 'subject' field to indicate the topic of the email.
7. In the main body field, type the content of the email.
8. If there are files to send along with the email, click on the 'attach files' icon (usually represted by a paperclip) and select the files.
9. Review the email for any errors or missions.
10. Click on the 'send' button to send the email.

OUTPUT:



Step 2: Receiving an Email.

1. Once logged into the Gmail account , the ‘inbox’ can be found on the left side panel.
2. Click on ‘inbox’.
3. New emails will be visible in the list . click on any email to open and read it.
4. If the email has any attachments, they can be opened or downloaded by clicking on them.

Step 3: Forwarding an Email.

1. Open the email intended to be forwarded by clicking on it in the ‘inbox’.

2. At the button of the email ,find the ‘forward’ button or icon (usually denoted by an arrow) and click on it .

3. This will open a new email window with the content of the original email in the body.

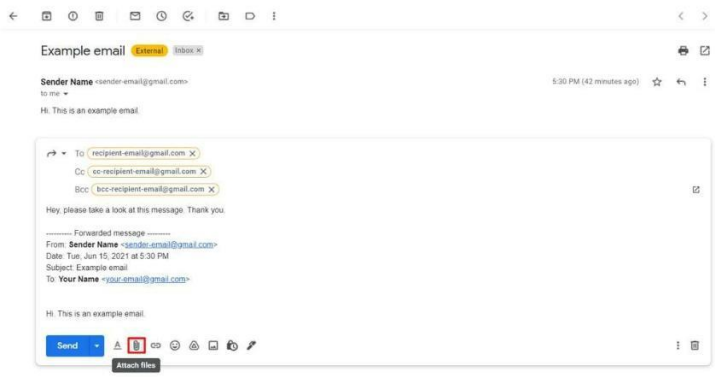
4. In the ‘to’ field,type in the email address of the person to whom the email is being forwarded.

5. If needed, additional text can be added to the email before forwarding.

6. Review the email.

7. Click on the ‘send’ button to forward the email.

OUTPUT:

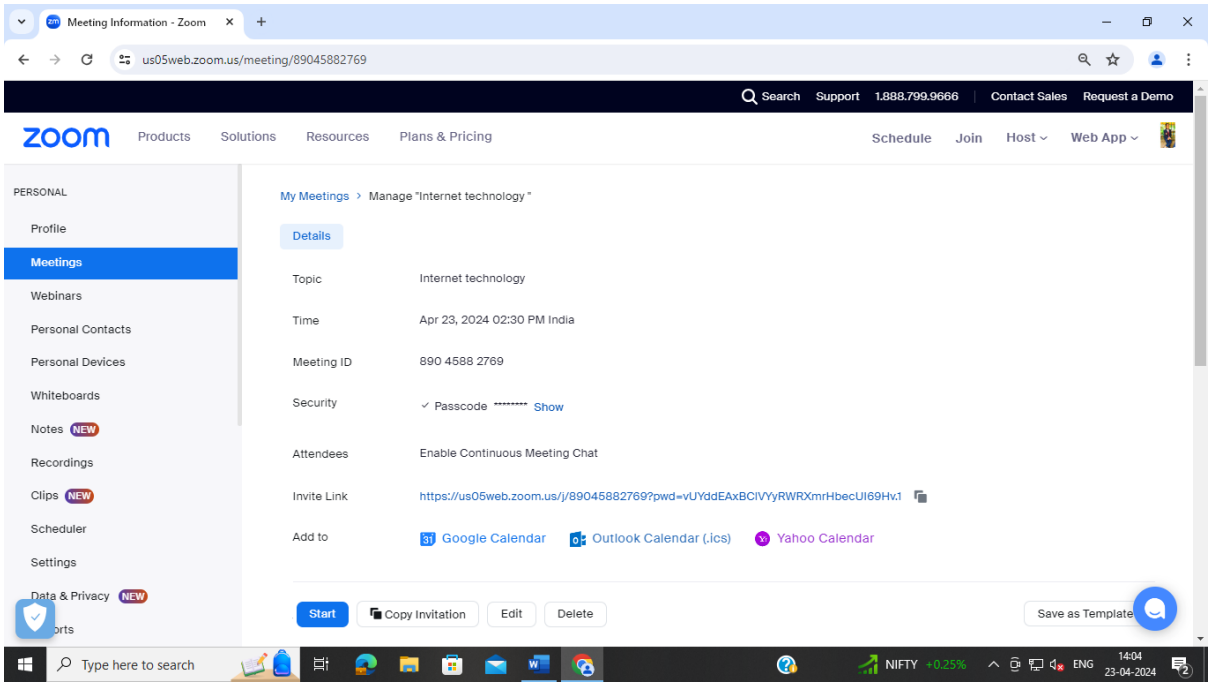


Program 2: How to Create , Organize meeting in Zoom.

Step 1: creating a meeting in zoom.

1. log into the zoom web portal.
2. click on ‘schedule a meeting’ in the top right corner of the homepage.
3. choose the meeting title, description(optional)date and time.
4. select the meeting duration. please note that the duration is only for scheduling purposes. the meeting won’t end after this length of time.
5. select the time zone of the meeting.
6. set up the meeting ID and passcode for security purposes.
7. Decide on advanced options like enabling a waiting room,allowing join before host muting participants on entry and automatically recording the meeting.
8. Finally, click on the ‘save’ button to create the meeting.

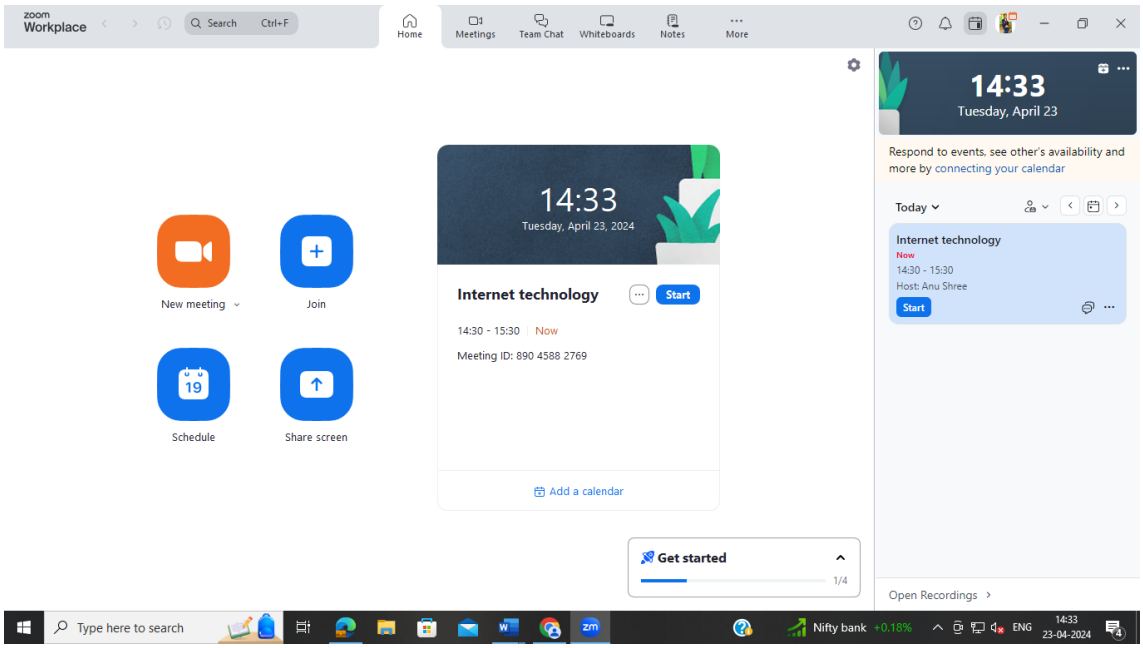
OUTPUT :



Step 2: Organizing a meeting in zoom:

1. After the meeting is created an invitation can be sent to participants.
2. The host can click on “copy the invitation then paste that information into an email and send it to the participants.
3. During the time of the meeting,the host can start the meeting by logging into their zoom account,navigating to the “my meetings”section,and selecting “start” for the scheduled meeting.
4. Participants join the meeting by clicking on the link in the email.

OUTPUT :



Program 3 : Create a form by using various attribute of the input tags(textbox ,multiline textbox, option button, checkbox)

<html>

<body>

<form action = "output.html"method="post">

<label for="fname">First Name:</label>

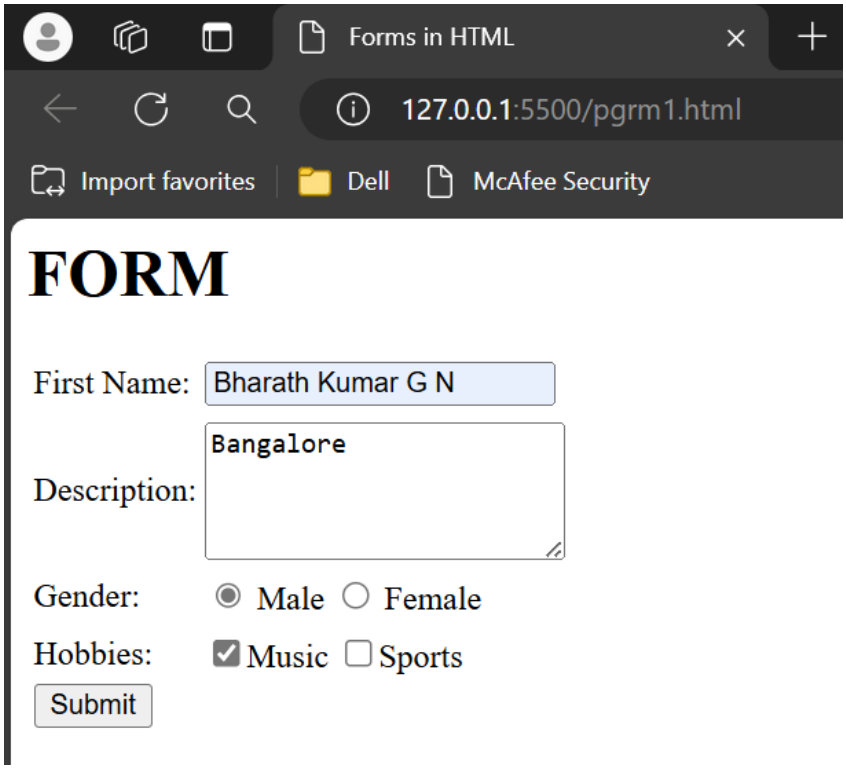
<input type="text" id ="fname" name="fname">


```
<label for="description">Description:</label><br>
<textarea id ="description" name="description"></textarea><br><br>
<label for ="gender">Gender:</label><br>
<input type ="radio" id ="male" name="gender" value="male">
<label for="male">Male</label><br>
<input type="radio"id ="female" name="gender"value="female">
<label for "female>Female</label><br><br>
<label for="interests">Interests:</label><br>
<input type ="checkbox" id="sports" name="interesrs" value="sports">
<label for ="sports">Sports</label><br>
<input type="checkbox" id="music" name="interests" value="music">
<label for="music">Music</label><br><br>
<input type="submit" value="Submit">
</form>
</body>
</html>
```

FORM ACTION : output.html

```
<html>
<body>
<h1>successful</h1>
</body>
</html>
```

OUTPUT :



Program 4 : Create a simple html page by using some of the basic tags (hyperlink, marquee, image).

```
<!DOCTYPE html>

<html>

<head>

<title>Amazon Shopping</title>

<br><br>

</head>

<body>

<h3>Welcome to the Amazon Shopping Info Page!</h1>

<p>

<a href="https://www.amazon.in/" target="_blank">Visit Amazon India</a> for exciting deals and offers.

</p>
```

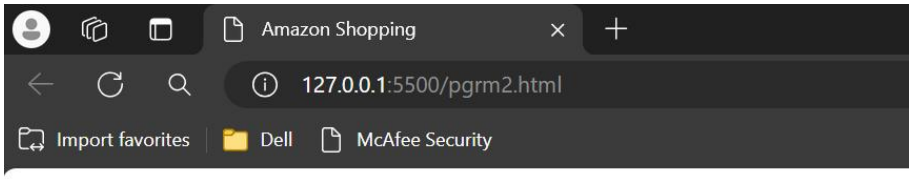
<marquee>Check out the latest deals and offers on Amazon India! Hurry, they won't last long!</marquee>

<img src="https://www.gstatic.com/webp/gallery3/1.sm.png" alt="Amazon Image" width="200" height="200">

</body>

</html>

OUTPUT :



Welcome to the Amazon Shopping Info Page!

Visit Amazon India for exciting deals and offers.

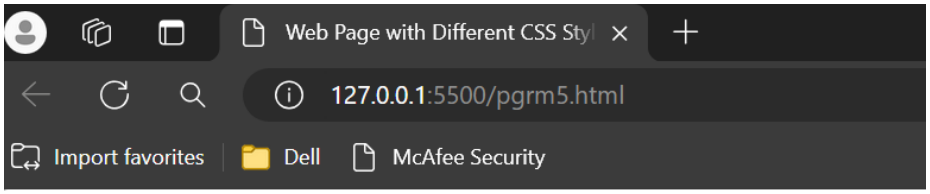
Check out the latest deals and offers on Amazon India! Hurry, they won't last long!

Program 5 : Create a web page with multiple types of style sheet used in a single page.

```
<!DOCTYPE html>
<html>
<head>
  <title>Web Page with Different CSS Styles</title>
  <style>
    /* Internal or Document Styles */
```

```
    h2 {
      color: red;
      font-family: "Times New Roman', Times, serif;
    }

    p.internal-paragraph {
      color: orange;
      font-family: Georgia, serif;
      font-size: 16px;
    }
  </style>
</head>
<body>
  <h1 style="color: blue; font-family: Helvetica;">This is a Heading with Inline CSS</h1>
  <p style="color: purple; font-family: Helvetica;">This is a paragraph with inline CSS.</p>
  <h2>This is a Heading with Internal CSS</h2>
  <p class="internal-paragraph">This is a paragraph with internal CSS.</p>
  <h3>This is a Heading with External CSS</h3>
  <p class="external-paragraph">This is a paragraph with external CSS.</p>
  <link rel="pgrm5.css" type="text/css" href="pgrm5.css">
</body>
</html>
```

OUTPUT :



This is a Heading with Inline CSS

This is a paragraph with inline CSS.

This is a Heading with Internal CSS

This is a paragraph with internal CSS.

This is a Heading with External CSS

This is a paragraph with external CSS.

Program 6: Write a CGI sample program to send output back to the user

Step 1: Install Apache Server

1. Visit the Apache Launge website (https://www.apachelounge.com/download/) and download the appropriate version of Apache based on the system's architecture (32-bit or 64-bit).

2. Extract the downloaded file to C

3. Open the Command Prompt with administrative rights (Right-click-> Run as administrator).

4. Navigate to the Apache bin directory by typing cd C:\Apache24\bin and pressing Enter.

5. Install Apache as a service by typing httpd.ear -k install and presting Enter

6. To start Apache, type httpd.exe -k start and press Enter. If Apache starts without any error messages, the installation was successful.

Step 2: Install Python

1.Visit the official python website and download the latest python installer.

2. Run the installer, ensure “add python to PATH” is checked, and follow the prompts to install python.

Step 3: Configure Apache for CGI

1. Open the Apache configuration file located at C:\Apache24\conf\httpd.conf in a text editse

2. Uncomment the following lines (remove the # at the start of the line): LoadModule rgi module modules/mod_cgi.so

AddHandler cgi-script .cgi py 3. in the same file, find the Directory section and change the Options line to:

Options Indeves Followlyntinks ExecCGI 4. And add the following line:

AddHandler cgi-script.cgi.py

5. Change the ScriptAlias as shown below:

Scriptällas/cgi-bin/ "C:/Apache24/cgi-bin/

6. Save and close the file

7. Restart Apache by opening the Command Prompt as administrator, navigating to C:\Apache24\hin and typing httpd.exe -k restart.

Step 4: Create and Run the CGI Script

1. In the

Capache\Apache24\cgi-bin directory, create a new file called hello.py. 2. Write the following Python code into the file:

Code: hello.py

#E:/python/python.exe

Print(“Content-type: text/html”)

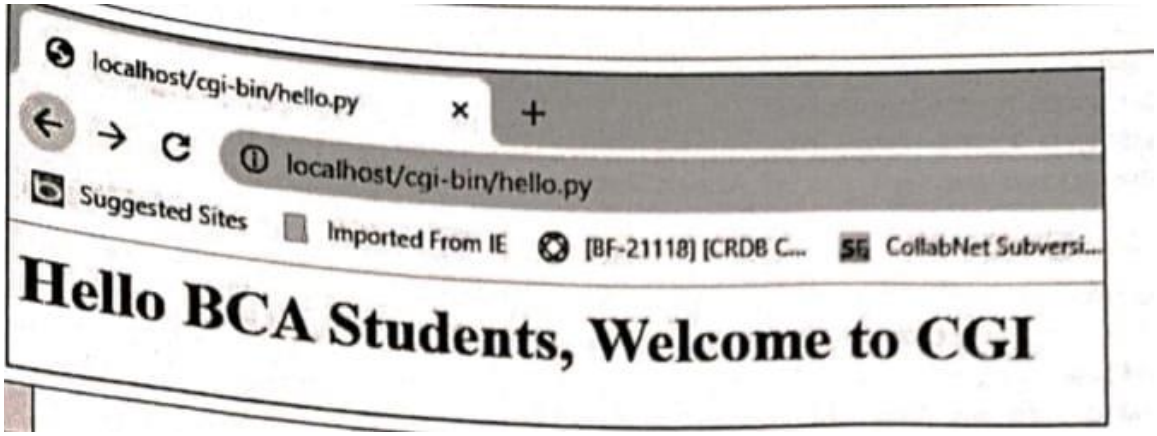
Print()

Print(print("<html> <body> <h1>hello BCA Students, Welcome to CGI</h1></body></html>"))

3. Save and close the file.

4. Open a web browser and navigator to https://localhost/cgi-bin/hello.py. If everthing has been setup currently,”hello BCA Students, Welcome to CGI!” should be displayed in the browser.

OUTPUT :



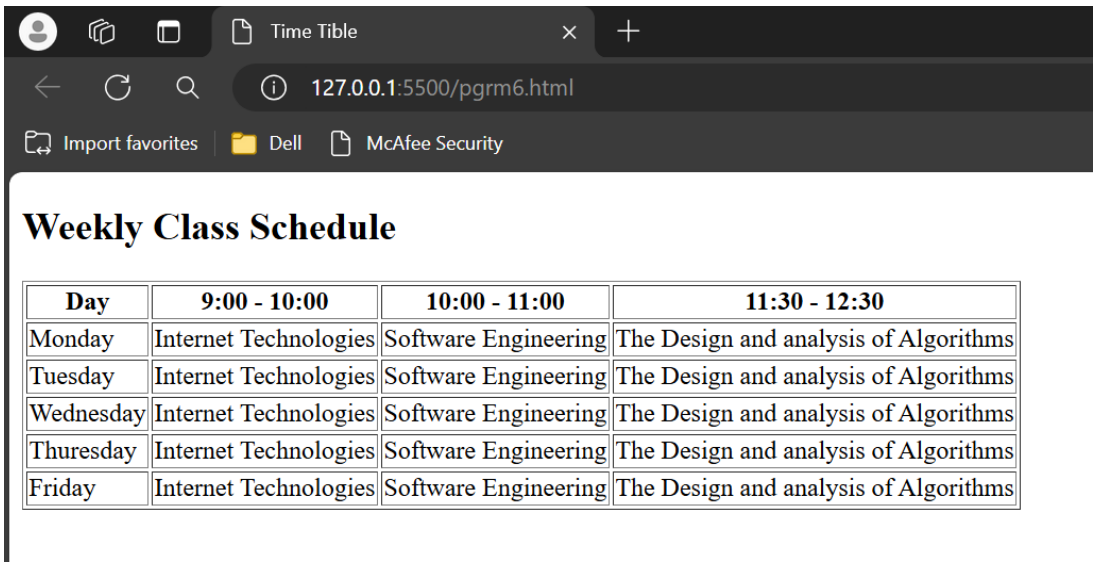
Program 7 : Create Time Table using table tag.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Time Tible</title>
</head>
<body>
 <h2>Weekly Class Schedule</h2>
 <table border="1">
   <tr>
      <th>Day</th>
      <th>9:00 - 10:00</th>
      <th>10:00 - 11:00</th>
      <th>11:30 - 12:30</th>
   </tr>
    <tr>
      <td>Monday</td>
```

```
  <td>Internet Technologies</td>
  <td>Software Engineering</td>
  <td>The Design and analysis of Algorithms</td>
</tr>
<tr>
  <td>Tuesday</td>
  <td>Internet Technologies</td>
  <td>Software Engineering</td>
  <td>The Design and analysis of Algorithms</td>
</tr>
<tr>
  <td>Wednesday</td>
  <td>Internet Technologies</td>
  <td>Software Engineering</td>
  <td>The Design and analysis of Algorithms</td>
</tr>
<tr>
  <td>Thuresday</td>
  <td>Internet Technologies</td>
  <td>Software Engineering</td>
  <td>The Design and analysis of Algorithms</td>
</tr>
<tr>
  <td>Friday</td>
  <td>Internet Technologies</td>
  <td>Software Engineering</td>
```

```
      <td>The Design and analysis of Algorithms</td>
    </tr>
 </table>
</body>
</html>
```

OUTPUT :



Weekly Class Schedule

Day	9:00 - 10:00	10:00 - 11:00	11:30 - 12:30
Monday	Internet Technologies	Software Engineering	The Design and analysis of Algorithms
Tuesday	Internet Technologies	Software Engineering	The Design and analysis of Algorithms
Wednesday	Internet Technologies	Software Engineering	The Design and analysis of Algorithms
Thuresday	Internet Technologies	Software Engineering	The Design and analysis of Algorithms
Friday	Internet Technologies	Software Engineering	The Design and analysis of Algorithms

Program 8 : Creation of Frames in browers window using html.

Step 1 : Create the main.html file.

```
<!DOCTYPE html>
<html>
<frameset rows="20%, 20%, 20%">
  <frame src="menu.html" name="menu frame">
  <frame src="content.html" name="content frame">
  <frame src="info.html" name="info frame">
</frameset>
</html>
```

Step 2: Create the menu.html file.

```
<!DOCTYPE html>
<html>
<body>
  <h2>Menu</h2>
  <ul>
    <li>Biryani</li>
    <li>Butter Chicken</li>
    <li>Paneer Tikka</li>
    <li>Dal Makhani</li>
  </ul>
</body>
</html>
```

Step 3: Create the content.html file.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Content</title>
</head>
<body>
    <h2>Content</h2>
    <p>Welcome to our indian food restaurant! We serve a varirty of delicious dishes.</p>
</body>
```

</html>

Step 4: Create the info.html file.

<!DOCTYPE html>

<html>

<body>

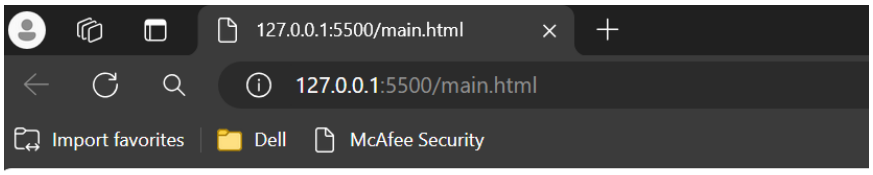
<h2>Restaurant Information</h2>

** We are located at Main Street and open from 10am to 10pm everyday **

</body>

</html>

OUTPUT :



Menu

- Biryani
- Butter Chicken
- Paneer Tikka
- Dal Makhani

Content

Welcome to our indian food restaurant! We serve a varirty of delicious dishes.

Restaurant Information

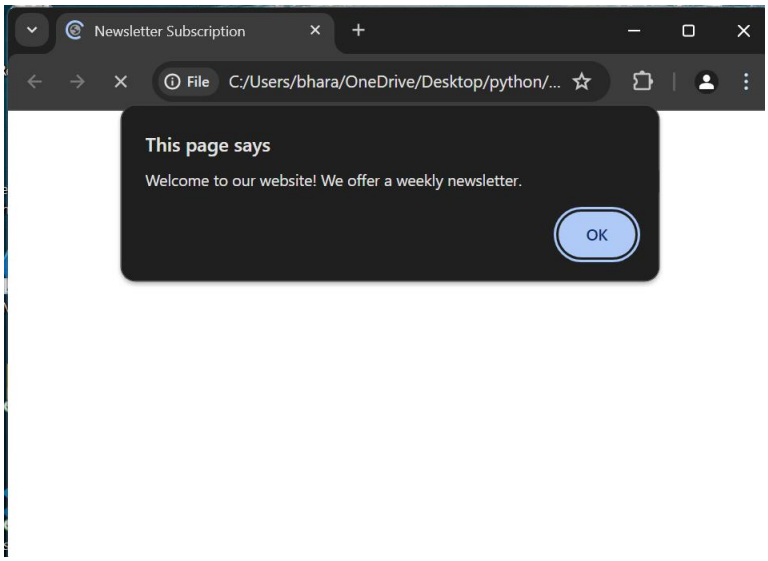
We are located at Main Street and open from 10am to 10pm everyday

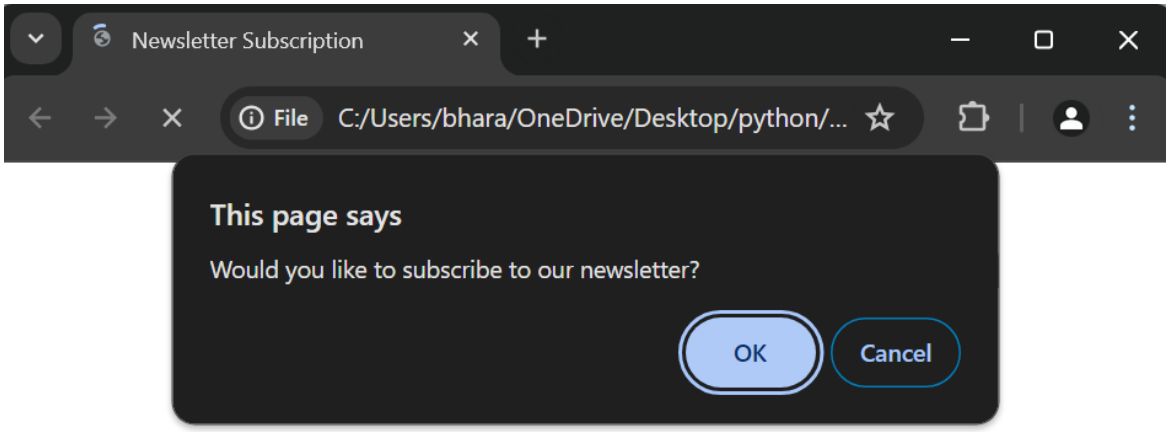
Program 9 : Write a java script program to create dialouge boxes using alert,confirm and promt methods.

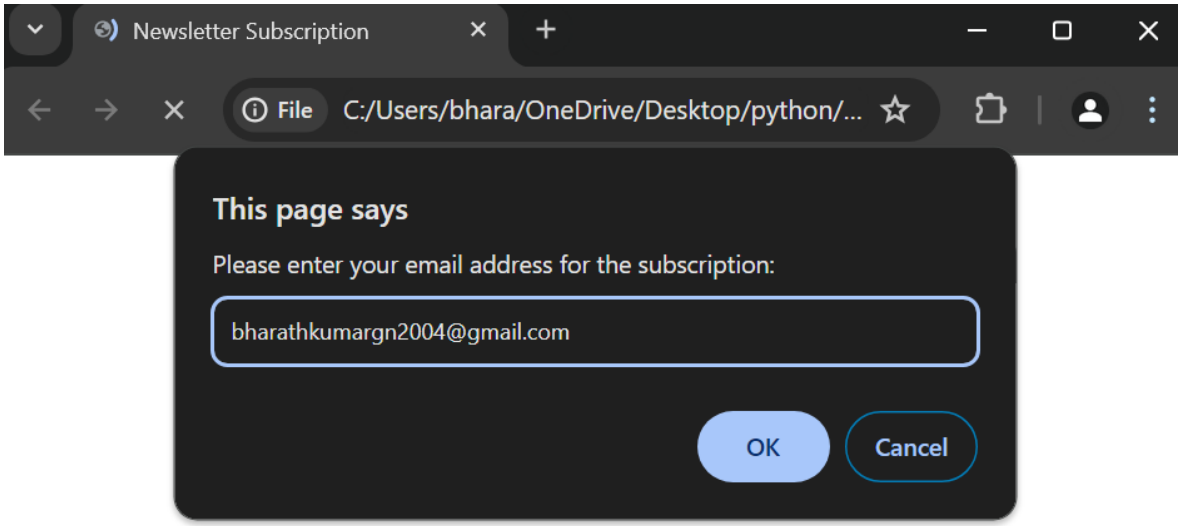
```
<!DOCTYPE html>
<html>
<head>
  <title>Newsletter Subscription</title>
  <script type="text/javascript">
    function subscribeNewsletter() {
      alert("Welcome to our website! We offer a weekly newsletter.");
      var subscribe = confirm("Would you like to subscribe to our newsletter?");
      if (subscribe) {
        var email = prompt("Please enter your email address for the subscription:", "");
        if (email) {
          alert("Thanks! You will receive a confirmation email at "+ email + ".");
        } else {
          alert("You did not provide an email address. No subscription has been made.");
        }
      } else {
        alert("No problem, you can always subscribe later if you change your mind.");
      }
    }
  </script>
</head>
<body onload="subscribeNewsletter()">
```

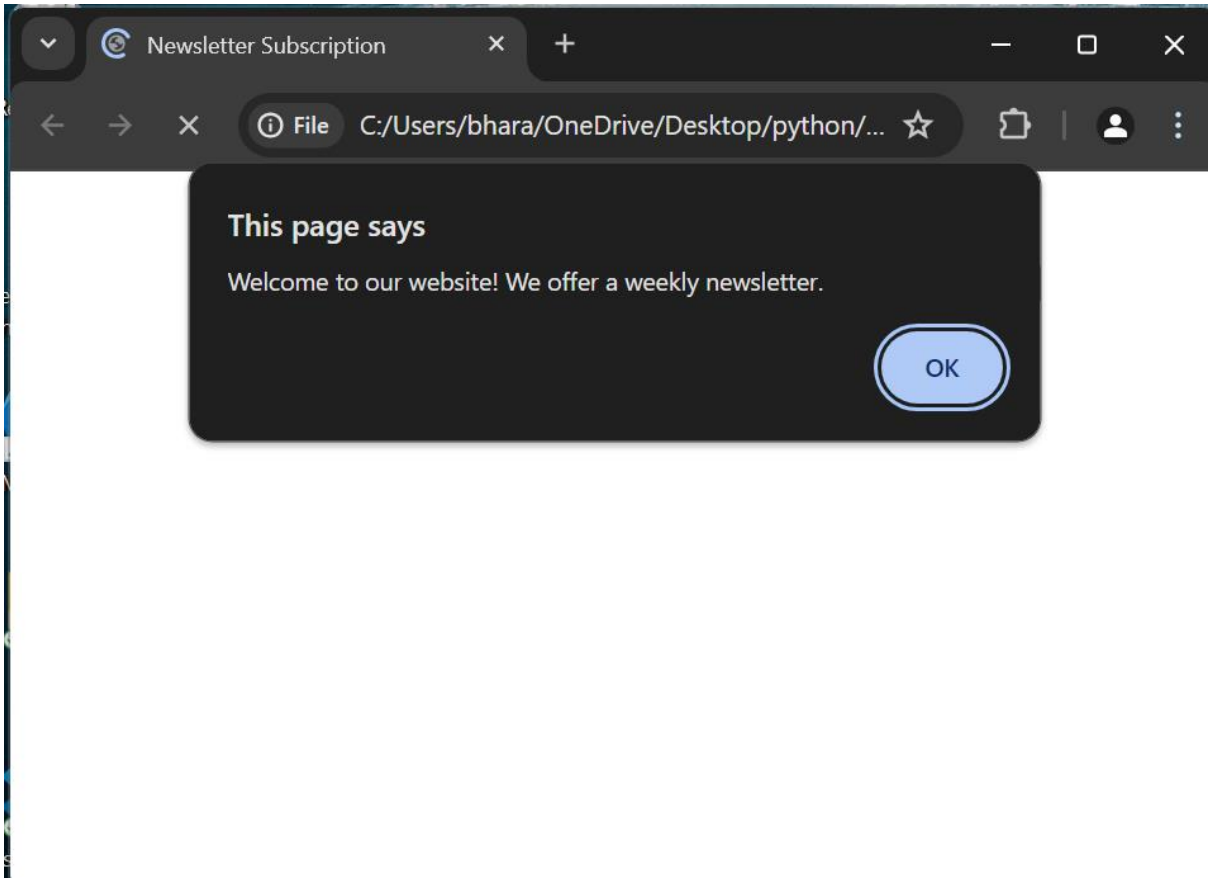
```
  <h1>Welcome to our Website!</h1>
</body>
</html>
```

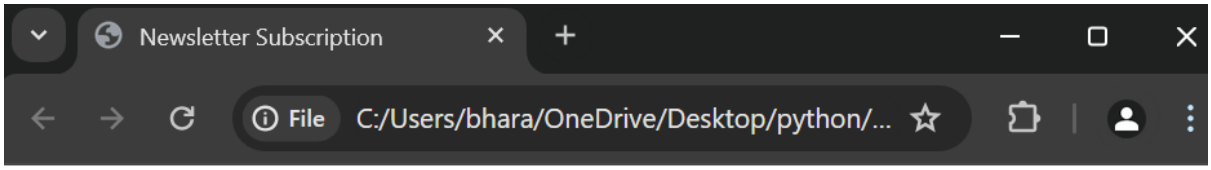
OUTPUT :






Newsletter Subscription
File
C:/Users/bhara/OneDrive/Desktop/python/...
This page says
Please enter your email address for the subscription:
bharathkumargn2004@gmail.com
OK
Cancel


Newsletter Subscription
File
C:/Users/bhara/OneDrive/Desktop/python/...
This page says
Welcome to our website! We offer a weekly newsletter.
OK



Welcome to our Website!

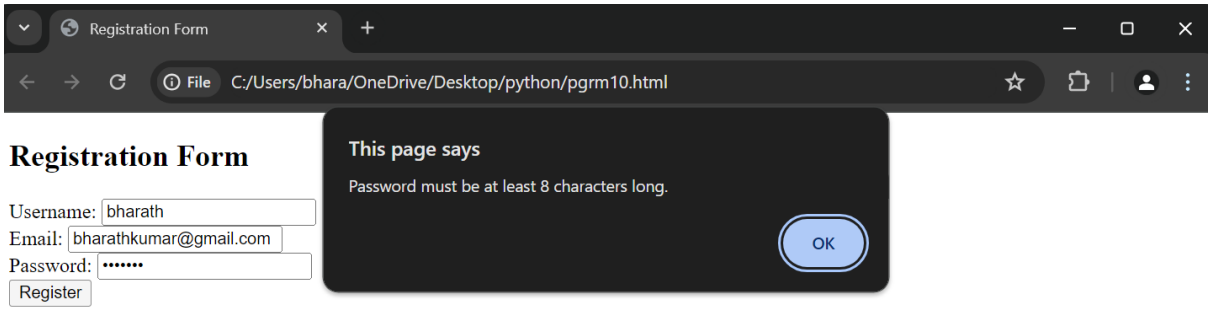
Program 10 : Write a java script program on Form Validation.

```
<!DOCTYPE html>
<html>
<head>
<title>Registration Form</title>
<script type="text/javascript">
function validateForm() {
  // Retrieve form data
  var username = document.forms["registration"]["username"].value;
  var email = document.forms["registration"]["email"].value;
  var password = document.forms["registration"]["password"].value;
  // Check if all fields are filled out
```

```
  if (username == "" || email == "" || password == "") {
    alert("All fields must be filled out.");
    return false;
  }
  // Validate email format
  var re = /\S+@\S+\.\S+/;
  if (!re.test(email)) {
    alert("Invalid email format.");
    return false;
  }
  // Check password length
  if (password.length < 8) {
    alert("Password must be at least 8 characters long.");
    return false;
  }
  // Validations pass
  alert("Registration successful!");
  return true;
}
</script>
</head>
<body>
<h2>Registration Form</h2>
<form name="registration" onsubmit="return validateForm()">
  Username: <input type="text" name="username" value=""><br>
  Email: <input type="text" name="email" value=""><br>
  Password: <input type="password" name="password" value=""><br>
```

```
  <input type="submit" value="Register">
</form>
</body>
</html>
```

OUTPUT :

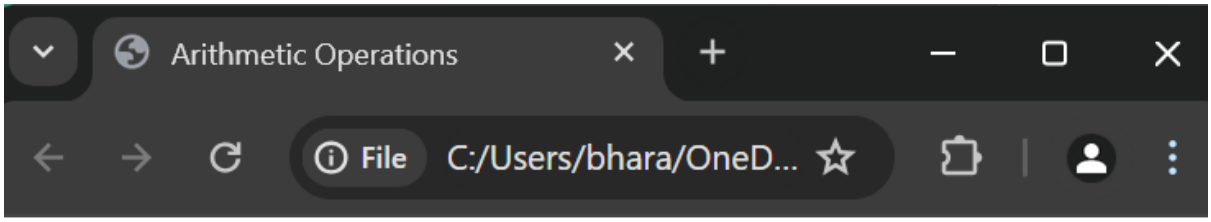


Program 11 : Write a java script program to perform four arithmetic operation : Addition, substration , multiplication, division on two numbers.

```
<!DOCTYPE html>
<html lang="en">
<head>
   <title>Arithmetic Operations</title>
   <script type="text/javascript">
      function performOperations(){
         var
num1=parseFloat(document.getElementById("number1").value);
         var
num2=parseFloat(document.getElementById("number2").value);

document.getElementById("addition").innerHTML="Addition:"+(num1+
num2);
```

```
document.getElementById("subtraction").innerHTML="Subtraction:"+(num1-num2);

document.getElementById("multiplication").innerHTML="Multiplication:"+(num1*num2);

document.getElementById("division").innerHTML="Division:"+(num1/num2);
        }
    </script>
</head>
<body>
    <h1>Arithmetic Operations</h1>
    <form>
        Number 1:<input type="number" id="number1"><br><br>
        number 2:<input type="number" id="number2"><br><br>
        <input type="button" value="Calculate" onclick="performOperations()">
    </form>
    <p id="addition"></p>
    <p id="subtraction"></p>
    <p id="multiplication"></p>
    <p id="division"></p>
</body>
</html>
```

OUTPUT :



Arithmetic Operations

Number 1: 20

number 2: 40

Calculate

Addition:60

Subtraction:-20

Multiplication:800

Division:0.5

Program 12 : Create a web site of our college.

Step 1: Create Index.html file .

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
  <title>Skyward Institute of Computer Applications</title>
  <style>
    .header-content {
      text-align: center;
    }

    nav {
      text-align: center;
    }
  </style>
</head>
<body>
  <header>
    <div class="header-content">
      <img src="vet-fgc-logo (1).jpg" alt="VET First Grade College">
      <h1>VET First Grade College</h1>
      <address>
        #18, 14th Main Road,JP Nagar 2nd Phase, Bangalore-560078
      </address>
    </div>
  </header>
  <nav>
    <a href="#">Home</a>
    <a href="#">About Us</a>
    <a href="#">Courses</a>
    <a href="#">Contact Us</a>
```

```
  </nav>
  <main>
    <h2>Welcome to VET First Grade College</h2>
    <p>We provide best training on computer application courses.</p>
  </main>
  <footer>
    <p>&copy; VET First Grade College</p>
  </footer>
</body>
</html>
```

Step 2: Create an about .html page for the About Us information.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>About us -VET First Grade College</title>
</head>
<body>
    <h1>About us</h1>
    <p>Home >> About Us
        About Us
        Academic excellence of VET First Grade College, one of the best degree colleges in Bangalore has been evident with over 3300+ learners, 50+ educators with a strong 10+ administrative staff working with varied stakeholders, has been bagging 11 ranks over the years. The focus has been 360-degree
```

development of learners, staff, community and other stakeholders through effective functioning of various committees, clubs, statutory cells, student welfare association and alumni association which makes it one of the top degree colleges in Bangalore. College has maintained high quality in academic pursuits and it has state of art campus, infrastructure, laboratories and well equipped lecture halls with ICT enabled learning. The institution aims at uncompromising commitment towards excellence in education.</p>
</body>
</html>

Step 3 : Create a course .html page to list the courses provided by the institution:

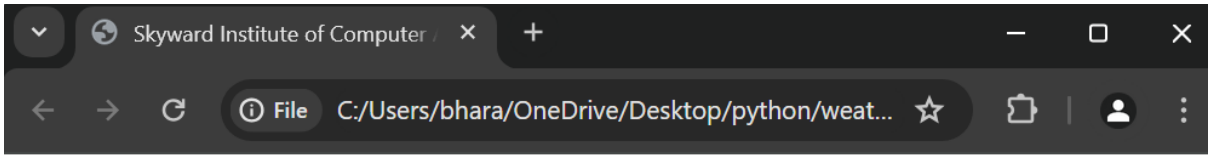
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Courses - VET First Grade College</title>
</head>
<body>
    <h1>Courses</h1>
    <h2>BCA</h2>
    <h2>BBA</h2>
</body>
</html>
```

Step 4 : Create a contact.html page to provide contact information.

```
<!DOCTYPE html>
<html lang="en">
```

```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Contact us -VET First Grade College</title>
</head>
<body>
    <h1>Contact Us</h1>
    <p>Address: #18, 14th Main Road,JP Nagar 2nd Phase, Bangalore-560078</p>
    <p>Phone: 080-26586808/26584760</p>
    <p>Email: vetfgc@rediffmail.com</p>
</body>
</html>
```

OUTPUT :



VET First Grade College

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