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## Section 1 ( HTML )

**Question 1:** Design a simple webpage using only HTML tags for Computer Science & Engineering (CSE) department of your institute or college where <head>, <title>, <body> and Divisional tags like <div>, <span>, <table> should be used as needed.

**Answer:**

**HTML:**

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

<head>
  <meta charset="UTF-8">
  <title>CSE Department BIST</title>
</head>

<body>
  <table align="center" width="768px">
    <tr>
      <td height="130"></td>
      <td>
        <table align="right">
          <tr>
            <td width="60"><a href="#">Home</a></td>
            <td width="60"><a href="#">About</a></td>
            <td width="60"><a href="#">Gallery</a></td>
            <td width="70"><a href="#">Teachers</a></td>
            <td width="40"><a href="#">Blog</a></td>
            <td width="60"><a href="#">Contact</a></td>
          </tr>
        </table>
      </td>
    </tr>
    <tr>
      <td colspan="2" align="center">
        <h2>About Department</h2>
      </td>
    </tr>
    <tr>
      <td colspan="2" height="25px"></td>
    </tr>
    <tr>
      <td colspan="2">
        <table width="768px">
          <tr>
            <td width="55%">
              
            </td>
          </tr>
        </table>
      </td>
    </tr>
  </table>

```

```

<td width='3%'>
</td>
<td width="45%">
  <p align="justify">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Delectus
    recusandae hic nihil ipsum sed quae laudantium, odio doloribus dolorem tenetur at
    distinctio pariatur cupiditate! Architecto quaerat ducimus repellendus amet mollitia?</p>
  <p align="justify">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Delectus
    recusandae hic nihil ipsum sed quae laudantium, odio doloribus dolorem tenetur at
    distinctio pariatur cupiditate! Architecto quaerat ducimus repellendus amet mollitia?</p>
</td>
<td width='2%'>
</td>
</tr>
</table>
</td>
</tr>
<tr>
  <td colspan="2" height="25px"></td>
</tr>
<tr>
  <td colspan="2" align='center'>
    <h2>Courses</h2>
  </td>
</tr>

<tr>
  <td colspan="2">
    <table>
      <tr>
        <td>
          <h4>First Semester</h4>
          <ul>
            <li>C language</li>
            <li>Fundament of computer's</li>
            <li>Integral Calculas</li>
            <li>English</li>
            <li>Bsic's physic's</li>
          </ul>
        </td>
        <td>
          <h4>Second Semester</h4>
          <ul>
            <li>Data Structure</li>
            <li>Fundament of computer's</li>
            <li>Integral Calculas</li>
            <li>English</li>
            <li>Bsic's physic's</li>
          </ul>
        </td>
      </tr>
    </table>
  </td>
</tr>

```

```

<h4>Third Semester</h4>
<ul>
  <li>C++</li>
  <li>Fundament of computer's</li>
  <li>Integral Calculas</li>
  <li>English</li>
  <li>Bsic's physic's</li>
</ul>
</td>
<td>
  <h4>Fourth Semester</h4>
  <ul>
    <li>Algorithm Desing</li>
    <li>Fundament of computer's</li>
    <li>Integral Calculas</li>
    <li>English</li>
    <li>Bsic's physic's</li>
  </ul>
</td>
</tr>
</table>
</td>
</tr>
<tr>
  <td colspan="2" height="25px"></td>
</tr>
<tr>
  <td colspan="2" align='center'>
    <h2>Contact us</h2>
  </td>
</tr>
<tr>
  <td colspan="2" height="25px"></td>
</tr>
<tr>
  <td colspan="2">
    <table width="100%">
      <tr>
        <td width="100%">
          <form action="" width='100%'>
            <table width="100%">
              <tr>
                <td width="10%"><label for="">Name</label></td>
                <td width="2%">:</td>
                <td width="50%"><input style="width: 100%" type="text" placeholder="give your name"></td>
              </tr>
            </table>
          </form>
        </td>
      </tr>
    </table>
  </td>
</tr>
  <td colspan="2" height="25px"></td>

```

```

    </tr>
    <tr>
        <td width="10%"><label for="">Email</label></td>
        <td width="2%"></td>
        <td width="50%"><input style="width: 100%" type="email" placeholder="give
            your email"></td>
    </tr>
    <tr>
        <td colspan="2" height="25px"></td>
    </tr>
    <tr>
        <td width="10%"><label for="">subject</label></td>
        <td width="2%"></td>
        <td width="50%"><input style="width: 100%" type="text" placeholder="give
            your subject"></td>
    </tr>
    <tr>
        <td colspan="2" height="25px"></td>
    </tr>
    <tr>
        <td width="10%"><label for="">Message</label></td>
        <td width="2%"></td>
        <td width="50%"><textarea style="width: 100%" rows="4" type="text"
            placeholder="write your feedback"></textarea></td>
    </tr>

    <tr>
        <td colspan="2" height="25px"></td>
    </tr>
    <tr>
        <td colspan="3" align="center" width="40%"><button>Send
            message</button></td>
    </tr>
    <tr>
        <td colspan="2" height="25px"></td>
    </tr>

</table>
</form>
</td>
</tr>
</table>
</td>
</tr>

<tr>
    <td colspan="2" bgcolor="#777" height="40px" align="middle">
        <p style="color:white; text-align: center; vertical-align: middle;">© COPYRIGHTS 2019 BIST
            CSE DEPARTMENT. ALL RIGHTS RESERVED</p>
    </td>
    <td colspan="2" height="40px" align="middle">
        <p style="color:white; text-align: center; vertical-align: middle;">© COPYRIGHTS 2019 BIST
            CSE DEPARTMENT. ALL RIGHTS RESERVED</p>
    </td>
</tr>

```

```

        </td>
    </tr>

</table>
</body></html>

```

Sample output :



[Home](#) [About](#) [Gallery](#) [Teachers](#) [Blog](#) [Contact](#)

## About Department



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Delectus recusandae hic nihil ipsum sed quae laudantium, odio doloribus dolorem tenetur at distinctio pariatur cupiditate! Architecto quærat ducimus repellendus amet mollitia?

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Delectus recusandae hic nihil ipsum sed quae laudantium, odio doloribus dolorem tenetur at distinctio pariatur cupiditate! Architecto quærat ducimus repellendus amet mollitia?

## Courses

### First Semester

- C language
- Fundament of computer's
- Integral Calculas
- English
- Basic's physic's

### Second Semester

- Data Structure
- Fundament of computer's
- Integral Calculas
- English
- Basic's physic's

### Third Semester

- C++
- Fundament of computer's
- Integral Calculas
- English
- Basic's physic's

### Fourth Semester

- Algorithm Desing
- Fundament of computer's
- Integral Calculas
- English
- Basic's physic's

## Contact us

Name	:	<input type="text" value="give your name"/>
Email	:	<input type="text" value="give your email"/>
subject	:	<input type="text" value="give your subject"/>
Message	:	<input type="text" value="write your feedback"/>

**Question 2: Using text links design a simple website to navigate between different pages ( minimum two pages and one page must contain a image link and another page contain 3\*4 table).**

Answer:

**Index page:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
</head>
<body>
  <table style="width: 500px; margin:0 auto;margin-top: 50px;border: 1px solid black;text-align: center;">
    <tr>
      <td><a href="index2.html">home</a></td>
      <td><a href="image.html">gallery</a></td>
      <td><a href="table.html">data table</a></td>
    </tr>
  </table>
</body>
</html>
```

Sample output:

[home](#)

[gallery](#)

[data table](#)

**Inner page image.html:**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
</head>
<body>
  <table style="margin: 0 auto;">
    <tr>
      <td colspan="3"> <h5 align="center">gallery</h5></td>
    </tr>
    <tr>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
    </tr>
    <tr>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
      <td style="height: 100px; width:120px; border:1px solid black;"><img src="" alt="image"></td>
    </tr>
  </table>
</body>
</html>

```

**Sample output:****gallery**



**Inner page table.html:**

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <style>
    td{
      border: 1px solid gray;
    }
  </style>
</head>
<body>
  <table style="width: 500px; margin:20px auto; border:1px solid black;text-align: center;">
    <tr>
      <td>Id</td>
      <td>Name</td>
      <td>Number</td>
    </tr>
    <tr>
      <td>1</td>
      <td>John</td>
      <td>152</td>
    </tr>
    <tr>
      <td>2</td>
      <td>Haris</td>
      <td>652</td>
    </tr>
    <tr>
      <td>3</td>
      <td>Zain</td>
      <td>569</td>
    </tr>
  </table>
</body>
</html>

```

**Sample output:**

Id	Name	Number
1	John	152
2	Haris	652
3	Zain	569

## SECTION 2 ( CSS )

**Question 3: Design a simple website using CSS containing formatted text, forms, tables and link styles ( must use three ways of inserting CSS external, internal and inline style).**

**Answer:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="style.css">
  <style>
    tr{
      border: 1px solid black;
      text-align: center;
    }
    td{
      padding: 10px;
    }
    table{
      width: 100%;
    }
    table td{
      border:1px solid black;
    }
  </style>
</head>
<body>
  <table style="width: 500px; margin:30px auto;">
    <tr>
      <td>home</td>
      <td>about</td>
      <td>contact</td>
    </tr>
    <tr>
      <td colspan="3">
        <p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Repudiandae, voluptatum nesciunt dicta
          provident eligendi
          quaerat ipsum facere animi veniam vitae consectetur! Laboriosam in cum animi tenetur
          consectetur ipsa quis aut.</p>
        </td>
      </tr>
    <tr>
      <td colspan="3">
        <h1>Student information</h1>
      </td>
    </tr>
  </table>
```

```

        </td>
    </tr>
    <tr>
        <td colspan="3">
            <table>
                <tr>
                    <td>Id</td>
                    <td>Name</td>
                    <td>Number</td>
                </tr>
                <tr>
                    <td>1</td>
                    <td>John</td>
                    <td>152</td>
                </tr>
                <tr>
                    <td>2</td>
                    <td>Haris</td>
                    <td>652</td>
                </tr>
                <tr>
                    <td>3</td>
                    <td>Zain</td>
                    <td>569</td>
                </tr>
            </table>
        </td>
    </tr>
</table>
</body>

</html>

```

#### Style.css:

```

body{
    background: #f5f5f5;
}

a{
    font-size: 18px;
    font-weight: 700;
}
a:hover{
    text-decoration: none;
    color: rgb(93, 6, 47);
}

```

**Sample output:**

home	about	contact
Lorem ipsum dolor sit amet consectetur adipisicing elit. Repudiandae, voluptatum nesciunt dicta provident eligendi quaerat ipsum facere animi veniam vitae consectetur! Laboriosam in cum animi tenetur consectetur ipsa quis aut.		
<b>Student information</b>		
Id	Name	Number
1	John	152
2	Haris	652
3	Zain	569

**Question 4: Using CSS menu, design a simple website to navigate between different pages ( minimum three pages and each page must contain heading, paragraph , text formatting tag and mouse over links to back home page).**

**Answer:**

**Index page:**

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="style.css">
</head>

<body>
  <table style="width: 500px; margin:0 auto;margin-top: 30px;border: 1px solid black;text-align: center;">
    <tr>
      <td><a href="index2.html">home</a></td>
      <td><a href="page1.html">contact</a></td>
      <td><a href="page2.html">gallery</a></td>
      <td><a href="page3.html">about us</a></td>
    </tr>
  </table>
</body>

</html>
```

Sample output:



**Inner page1.html:**

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="style.css">
  <style>
```

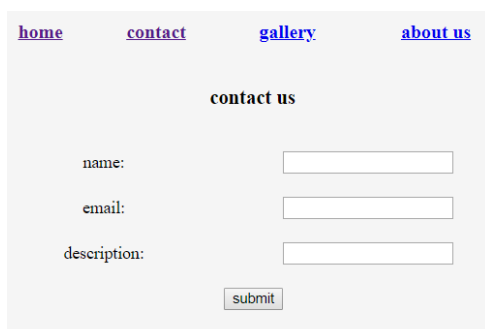
```

    td{
        padding: 10px;
    }
</style>
</head>

<body>
<table style="width: 500px; margin:0 auto;margin-top: 30px;border: 1px solid black;text-align: center;">
    <tr>
        <td><a href="index2.html">home</a></td>
        <td><a href="page1.html">contact</a></td>
        <td><a href="page2.html">gallery</a></td>
        <td><a href="page3.html">about us</a></td>
    </tr>
    <tr>
        <td colspan="4">
            <h3>contact us</h3>
        </td>
    </tr>
    <tr>
        <td colspan="2"><label for="">name:</label></td>
        <td colspan="2"><input type="text" name="" id=""></td>
    </tr>
    <tr>
        <td colspan="2"><label for="">email:</label></td>
        <td colspan="2"><input type="text" name="" id=""></td>
    </tr>
    <tr>
        <td colspan="2"><label for="">description:</label></td>
        <td colspan="2"><input type="text" name="" id=""></td>
    </tr>
    <tr>
        <td colspan="4"><button>submit</button></td>
    </tr>
</table>
</body>
</html>

```

**Sample output:**



The sample output shows a web page with a light gray background. At the top, there are four navigation links: [home](#), [contact](#), [gallery](#), and [about us](#). Below these links, the heading "contact us" is centered. The form consists of three rows of labels and input fields: "name:" followed by a text input field, "email:" followed by a text input field, and "description:" followed by a text input field. At the bottom of the form, there is a "submit" button.

**Inner page2.html:**

```

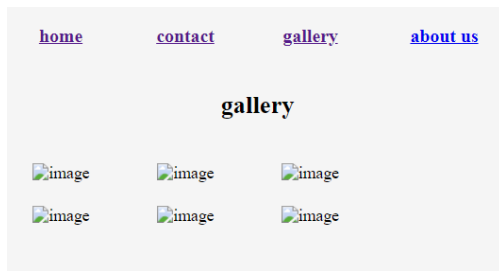
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="style.css">
  <style>
    td{
      padding: 10px;
    }
  </style>
</head>

<body>
  <table style="width: 500px; margin:0 auto;margin-top: 30px;border: 1px solid black;text-align: center;">
    <tr>
      <td><a href="index2.html">home</a></td>
      <td><a href="page1.html">contact</a></td>
      <td><a href="page2.html">gallery</a></td>
      <td><a href="page3.html">about us</a></td>
    </tr>
    <tr>
      <td colspan="4"><center><h2>gallery</h2></center></td>
    </tr>
    <tr>
      <td></td>
      <td></td>
      <td></td>
    </tr>
    <tr>
      <td></td>
      <td></td>
      <td></td>
    </tr>
  </table>
</body>

</html>

```

**Sample output:****Inner page3.html:**

```

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

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="style.css">
  <title>Document</title>
  <style>
    p{
      text-align: justify;
    }
  </style>
</head>

<body>
  <table style="width: 500px; margin:0 auto;margin-top: 30px;border: 1px solid black;text-align: center;">
    <tr>
      <td><a href="index2.html">home</a></td>
      <td><a href="page1.html">contact</a></td>
      <td><a href="page2.html">gallery</a></td>
      <td><a href="page3.html">about us</a></td>
    </tr>
    <tr>
      <td colspan="4">
        <center>
          <h2>About Us</h2>
        </center>
      </td>
    </tr>
    <tr>
      <td colspan="4">
        <p>
          Lorem ipsum dolor, sit amet consectetur adipisicing elit. Nemo, mollitia nihil.
          Dolorem dolore adipisci corporis atque amet assumenda provident.
          Eum maxime quaerat quasi consequatur dolore voluptates hic unde nam voluptate!
        </p>
      </td>
    </tr>
  </table>

```



```

        </td>
    </tr>
</table>

```

```

</body>

```

```

</html>

```

#### Sample output:



#### Style.css:

```

body{
    background: #f5f5f5;
}

a{
    font-size: 18px;
    font-weight: 700;
}
a:hover{
    text-decoration: none;
    color: rgb(93, 6, 47);
}

```

## SECTION 3 ( PHP, My SQL )

**Question 5:** Design a form that contains “text fields”, “text area “ , “check boxes”, “multiple check boxes”, “radio buttons”, “list”, “password fields”, submit button and store the value of this into my-sql database and show the stored information into another page using php program.

**Answer:**

**Index.php:**

```
<?php
$con=mysqli_connect('localhost','root','','student_infor');
if(!$con){
    echo "<script> alert('db not success'); </script>";
}
if(!empty($_POST)){
    $name = $_POST['name'];
    $email = $_POST['email'];
    $password = $_POST['password'];
    $department = $_POST['department'];
    $gender = $_POST['gender'];
    $role1 = $_POST['student'];
    $role2 = $_POST['captains'];
    $role3 = $_POST['trainer'];
    if( empty($role1))$role1= "";
    if( empty($role2))$role2= "";
    if( empty($role3))$role3= "";
    $insert = "INSERT INTO student_information(name,email,password,department,gender,role1,role2,role3)
                values('$name','$email','$password','$department','$gender','$role1','$role2','$role3')";
    if(mysqli_query($con,$insert)){
        echo "<script> alert('success'); </script>";
    }
    else{
        echo "<script> alert('not success'); </script>";
    }
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <link rel="stylesheet" href="style2.css">
</head>
<body>
    <div class="body">
        <div class="nav">
            <a href="index2.php">add new record</a>
```

```

        <a href="view.php">view record</a>
    </div>
    <form action="index2.php" method="POST">
        <label for="">your name</label>
        <input name="name" type="text">
        <label for="">your email</label>
        <input name="email" type="text">
        <label for="">your password</label>
        <input name="password" type="password">
        <label for="">department</label>
        <select name="department" id="">
            <option value="cse">cse</option>
            <option value="ece">ece</option>
            <option value="bba">bba</option>
        </select>
        <label for="">gender</label>
        <input type="checkbox" name="gender" value="male"><span>male</span>
        <input type="checkbox" name="gender" value="female"><span>female</span>
        <label for="">your role</label>
        <input type="radio" name="student" hidden checked value="">
        <input type="radio" name="student" value="student"><span>student</span>
        <input type="radio" name="captains" hidden checked value="">
        <input type="radio" name="captains" value="captain"><span>class captain</span>
        <input type="radio" name="trainer" hidden checked value="">
        <input type="radio" name="trainer" value="trainer"><span>trainer</span><br>
        <button type="submit">submit</button>
        <button type="reset">reset</button>
    </form>
</div>
</body>
</html>

```

### Sample output:

The screenshot displays a web form with the following elements:

- At the top, two buttons: "add new record" and "view record".
- Form fields:
  - "your name" with a text input field.
  - "your email" with a text input field.
  - "your password" with a password input field.
  - "department" with a dropdown menu showing "cse".
  - "gender" with two checkboxes: "male" and "female".
  - "your role" with three radio buttons: "student", "class captain", and "trainer".
- At the bottom, two buttons: "submit" and "reset".

**View.php:**

```

<!DOCTYPE html>
<html lang="en">
<?php
    $con=mysqli_connect('localhost','root','','student_infor');
?>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Document</title>
    <link rel="stylesheet" href="style2.css">
    <style>
        table{
            padding: 5px;
            width: 100%;
            text-align: center;
        }
        td,th{
            border-bottom: 1px solid gray;
            padding: 20px 5px;
        }
    </style>
</head>
<body>
    <div class="body body2">
        <div class="nav">
            <a href="index2.php">add new record</a>
            <a href="view.php">view record</a>
        </div>
        <table class="table product-overview" cellpadding="0" cellspacing="0">
            <thead>
                <tr>
                    <th>Id</th>
                    <th>Name</th>
                    <th>email</th>
                    <th>department</th>
                    <th>gender</th>
                    <th>role</th>
                </tr>
            </thead>
            <tbody>
                <?php
                    $select = "SELECT * FROM student_information";
                    $all = mysqli_query($con,$select);
                    while( $data = mysqli_fetch_assoc($all)){

```

```

?>
<tr>
  <td><?= $data['id'];?></td>
  <td><?= $data['name'];?></td>
  <td><?= $data['email'];?></td>
  <td><?= $data['department'];?></td>
  <td><?= $data['gender'];?></td>
  <td><?= $data['role1'];?> &nbsp;&nbsp;&nbsp;<?= $data['role2'];?> &nbsp;&nbsp;&nbsp;<?= $data['role3'];
""?></td>
</tr>
<?php } ?>
</tbody>
</table>
</div>
</body>
</html>

```

**Sample output:**

<div> <a href="#">add new record</a> <a href="#">view record</a> </div>							
Id	Name	email	department	gender	role		
11	shifat	shifat@gmail.com	cse	male	student	captain	trainer
12	yasir	intu@gmail.com	ece	male	student	captain	
13	nahiyan	nahiyan@gmail.com	bba	male	captain	trainer	

**Question 6: Design a webpage that collects student information and subject marks and stores the information and marks to my sql database. Show the results in grading GPA system to another page using PHP program.**

**Answer:**

**Index.php:**

```
<?php
    $con=mysqli_connect('localhost','root','','student_infor');
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <!-- <link rel="stylesheet" href="css/style.css"> -->
    <title>Student's CGPA</title>
    <style>
        .body a{
            text-decoration: none;
            padding: 10px 20px;
            margin: 0px 20px;
            border: 1px solid gray;
            border-radius: 5px;
        }

        section{
            width: 500px;
            margin: 0 auto;
        }
        section table{
            width: 100%;
            text-align: center;
        }
        section table td,section table th{
            border-bottom: 1px solid gray;
            padding: 10px;
        }
    </style>
</head>
<body>
    <div class="body" style="width:500px; margin:30px auto;">
        <table>
            <tr>
                <td><a href="index.php">home</a></td>
                <td><a href="add.php">add new record</a></td>
            </tr>
        </table>
    </div>
```

```

<section>
  <div class="container">
    <table class="table product-overview" cellpadding='0' cellspacing="0">
      <thead>
        <tr>
          <th>Id</th>
          <th>Name</th>
          <th>Roll</th>
          <th>Department</th>
          <th>GPA</th>
          <th>Action</th>
        </tr>
      </thead>
      <tbody>
        <?php
          $select = "SELECT * FROM gpa";
          $all = mysqli_query($con,$select);
          while( $data = mysqli_fetch_assoc($all)){
            ?>
            <tr>
              <td><?= $data['id'];?></td>
              <td><?= $data['name'];?></td>
              <td><?= $data['roll'];?></td>
              <td><?= $data['department'];?></td>
              <td>
                <?php printf("%.2f", ($data['first'] + $data['second'] + $data['third'] + $data['fourth'] +
                $data['fifth'] + $data['sixth'] + $data['seventh'] + $data['eighth'] )/8)?>
              </td>
              <td>
                <a href="delete.php?d=<?= $data['id'];?>">Delete</a>
              </td>
            </tr>
          <?php } ?>
        </tbody>
      </table>
    </div>
  </section>
</body>
</html>

```

**Sample output:**

home
add new record

Id	Name	Roll	Department	GPA	Action
5	shefat	21	cse	3.62	<a href="#">Delete</a>
6	yasir	21	cse	2.62	<a href="#">Delete</a>

**Add.php:**

```

<?php
$con=mysqli_connect('localhost','root','','student_infor');
if(!$con){
    echo "<script> alert('db not success'); </script>";
}
if(!empty($_POST)){
    $name = $_POST['name'];
    $roll = $_POST['roll'];
    $department = $_POST['department'];
    $first = $_POST['first'];
    $second = $_POST['second'];
    $third = $_POST['third'];
    $fourth = $_POST['fourth'];
    $fifth = $_POST['fifth'];
    $sixth = $_POST['sixth'];
    $seventh = $_POST['seventh'];
    $eighth = $_POST['eighth'];
    $insert = "INSERT INTO gpa(name,roll,department,first,second,third,fourth,fifth,sixth,seventh,eighth)

VALUES('$name','$roll','$department','$first','$second','$third','$fourth','$fifth','$sixth','$seventh','$eighth')";

    if(mysqli_query($con,$insert)){
        echo "<script> alert('success'); </script>";
    }
    else{
        echo "<script> alert('not success'); </script>";
    }
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <meta http-equiv="X-UA-Compatible" content="ie=edge">
    <title>Student's CGPA</title>
    <style>
        .body a{
            text-decoration: none;
            padding: 10px 20px;
            margin: 0px 20px;
            border: 1px solid gray;
            border-radius: 5px;
        }
        input{
            width: 100%;

```



```

        margin: 10px 0px;
        box-sizing: border-box;
        padding: 10px;
    }

    button{
        padding: 10px 20px;
        border-radius: 5px;
    }

</style>
</head>
<body>
    <div class="body" style="width:500px; margin:30px auto;">
        <table>
            <tr>
                <td><a href="index.php">home</a></td>
                <td><a href="add.php">add new record</a></td>
            </tr>
        </table>
    </div>

    <section id="login" style="width: 500px;margin: 0 auto;">
        <div class="container">
            <div class="login">
                <form action="" method="post" style="" class="">
                    <h2>Student Result Information</h2>
                    <input name="name" type="text" placeholder="name">
                    <input name="roll" type="text" placeholder="Roll">
                    <input name="department" type="text" placeholder="Department">
                    <h3>CGPA</h3>
                    <div style="width:45%; float:left;margin: 0px 5px; overflow:hidden;">
                        <input name="first" placeholder="1st Semester" type="number">
                        <input name="second" placeholder="2nd Semester" type="number">
                        <input name="third" placeholder="3rd Semester" type="number">
                        <input name="fourth" placeholder="4th Semester" type="number">
                    </div>
                    <div style="width:50%; float:left;margin: 0px 5px;overflow:hidden;">
                        <input name="fifth" placeholder="5th Semester" type="number">
                        <input name="sixth" placeholder="6th Semester" type="number">
                        <input name="seventh" placeholder="7th Semester" type="number">
                        <input name="eighth" placeholder="8th Semester" type="number">
                    </div>
                    <button type="submit" style="width: 200px;">Add Information</button>
                </form>
            </div>
        </div>
    </section>

```

</body>  
</html>

Sample output:

home	add new record
------	----------------

## Student Result Information

name
Roll
Department

## CGPA

1st Semester	5th Semester
2nd Semester	6th Semester
3rd Semester	7th Semester
4th Semester	8th Semester

Add Information
-----------------

## SECTION 4 ( Java Script )

**Question 7:** Design a page where user can input his/her personal information like name, address, email, gender, mobile number etc. and perform input validation using java scripts like valid email mobile number should be 11digit mandatory field check etc.

**Answer:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>js Validation</title>
  <style>
    input{
      width: 100%; margin: 10px 0px; padding: 10px; border-radius: 3px;
    }
    span{
      color: red;
    }
  </style>
</head>
<body>

  <section id="login" style="width: 500px; margin: 0 auto;">
    <div class="container">
      <div class="login">
        <form action="" style="height: 500px" class="form2">
          <h2>Registration FORM</h2>
          <input id="name" type="text" placeholder="name">
          <span id="name-error" class=""></span>
          <input id="email" placeholder="email" type="email">
          <span id="email-error" class=""></span>
          <input id="password" placeholder="password" type="password">
          <span id="password-error" class=""></span>
          <input id="repass" type="password" placeholder="repeat password" type="text">
          <span id="repass-error" class=""></span>
          <button type="submit" onsubmit="submit()" onclick="return Validation()">Submit</button>
        </form>
      </div>
    </div>
  </section>

</body>
</html>

<script>
function Validation(){
  var name = document.getElementById('name');
  var email = document.getElementById('email');
  var password = document.getElementById('password');
  var repass = document.getElementById('repass');
```

```

if( name.value == ""){
    document.getElementById('name-error').innerHTML="Name is required";
    name.focus();
    return false;
}
if( email.value == ""){
    document.getElementById('email-error').innerHTML="email is required";
    email.focus();
    return false;
}
if( password.value == ""){
    document.getElementById('password-error').innerHTML="password is required";
    password.focus();
    return false;
}
if(password.value.length < 5){
    document.getElementById('password-error').innerHTML="password minimum length should be 11 character";
    password.focus();
    return false;
}
if( repass.value == ""){
    document.getElementById('repass-error').innerHTML="repeat password is required";
    repass.focus();
    return false;
}
if(password.value.length != repass.value.length){
    document.getElementById('repass-error').innerHTML="password didn't matched";
    repass.focus();
    return false;
}
alert('Click ok to Submit');
}
</script>

```

**Sample output:**

## Registration FORM

Name is required

**Question 8: Design a webpage containing java scripts function that performs various action like change text, change color, remove tag, insert new tag by different events like mouse click , mouse over etc.**

**Answer:**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Document</title>
  <link rel="stylesheet" href="style2.css">
  <script>
    function hover(){
      document.getElementById('hover').style.color="red";
    }
    function out(){
      document.getElementById('hover').style.color="black";
    }
    function remove(){
      document.getElementById('remove').remove();
    }
    function add(){
      var parent = document.getElementById('body');
      var div = document.createElement('div');
      var value = document.getElementById('value').value;
      div.innerHTML = value ;
      parent.appendChild(div);
    }
    function replace(){
      var replace = document.getElementById('text');
      var Text = document.getElementById('replace').value;
      replace.innerHTML = Text;
    }
  </script>
</head>
<body>
  <div class="body" id="body">
    <div class="section" id="hover" onmouseover="hover()" onmouseout="out()">
      <h4>keep mouse over to change color</h4>
    </div>
    <div class="section" id="remove" onclick="remove()">
      <h4>click to remove this section</h4>
    </div>
    <div class="section">
      <input type="text" id="value" placeholder="write tag and information and add to body">
      <button onclick="add()">add new section</button>
    </div>
  </div>
```

```

<div class="section">
  <p id="text">Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nesciunt possimus architecto,
    saepe incidunt quia eos,
    distinctio alias provident quas inventore maxime sint blanditiis eveniet placeat omnis minus
    iure soluta dolor.</p>
  <input type="text" id="replace" placeholder="write something">
  <button onclick="replace()">replace the paragraph</button>
</div>
</div>
</body>
</html>

```

**Sample output:**

**keep mouse over to change color**

**click to remove this section**

Lorem ipsum dolor sit amet, consectetur adipisicing elit. Nesciunt possimus architecto, saepe incidunt quia eos, distinctio alias provident quas inventore maxime sint blanditiis eveniet placeat omnis minus iure soluta dolor.