# CIA 1

# GUI Programming

# Lab Report



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## Experiment -1

Design a GUI window for user registration on any application.

Index.php

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <link rel="stylesheet" href="indexstyle.css">
    <title>Document</title>
</head>
<body>
    <div class="bg-image">
        <img src="cyber.jpg" class = "image">
    </div>

<div class="login">
<?php
require('db.php');
session_start();

if (isset($_POST['username'])){

    $username = $_REQUEST['username'];
        $password = ($_REQUEST['password']);

    $query = "SELECT * FROM `users` WHERE `username`='$username'
and `password`=" + '$password'";
```

```php
        $result = mysqli_query($conn,$query) or die(mysqli_error($conn));
        $rows = mysqli_num_rows($result);
    if($rows==1){
        $_SESSION['username'] = $username;
        header("Location: start.php");
    }else{
    echo "<div class='form'>
<h3>Username/password is incorrect.</h3>
<br/>Click here to <a href='index.php'>Login</a></div>";
        }
    }else{
?>
<div class="form">
<h1>Log In</h1>
<form action="" method="post" name="login">
<input type="text" name="username" placeholder="Username" required /><br>
<input type="password" name="password" placeholder="Password" required />
<br>
<input name="submit" type="submit" value="Login" />
</form>
<p>Not registered yet? <a href='registration.php'>Register Here</a></p>
</div>
<?php } ?>
</body>
</html>
```

# Registration.php

```php
<!DOCTYPE html>
<html lang="en">
<meta charset="utf-8">
<link rel="stylesheet" href="registration.css" />
</head>
```

```php
<body>
<div class="bg-image">
      <img src="cyber2.jpg" class = "image">
   </div>
   <div class="login">

<?php
require('db.php');
if (isset($_POST['username']))
{
    $var = 0;
    if(isset($_POST['Email']))
    {
    $username = ($_POST['username']);
    $Email = ($_POST['Email']);
    $password = ($_POST['password']);

    if(!filter_var($Email, FILTER_VALIDATE_EMAIL))
    {
        $msg = 'The Email you have entered is invalid, please try again.';
        echo $msg;
    }else{

        $query = "INSERT INTO `users` (`username`, `password`, `Email`)
VALUES ('$username', '$password', '$Email');";
        $result1 = mysqli_query($conn,$query);

        if($result1)
        {
            echo "<div class='form'>
            <h3>You are registered successfully.</h3>
            <br/>Click here to start <a href='start.php'>Login</a></div>";
        }
    }
 $conn->close();
    }
```
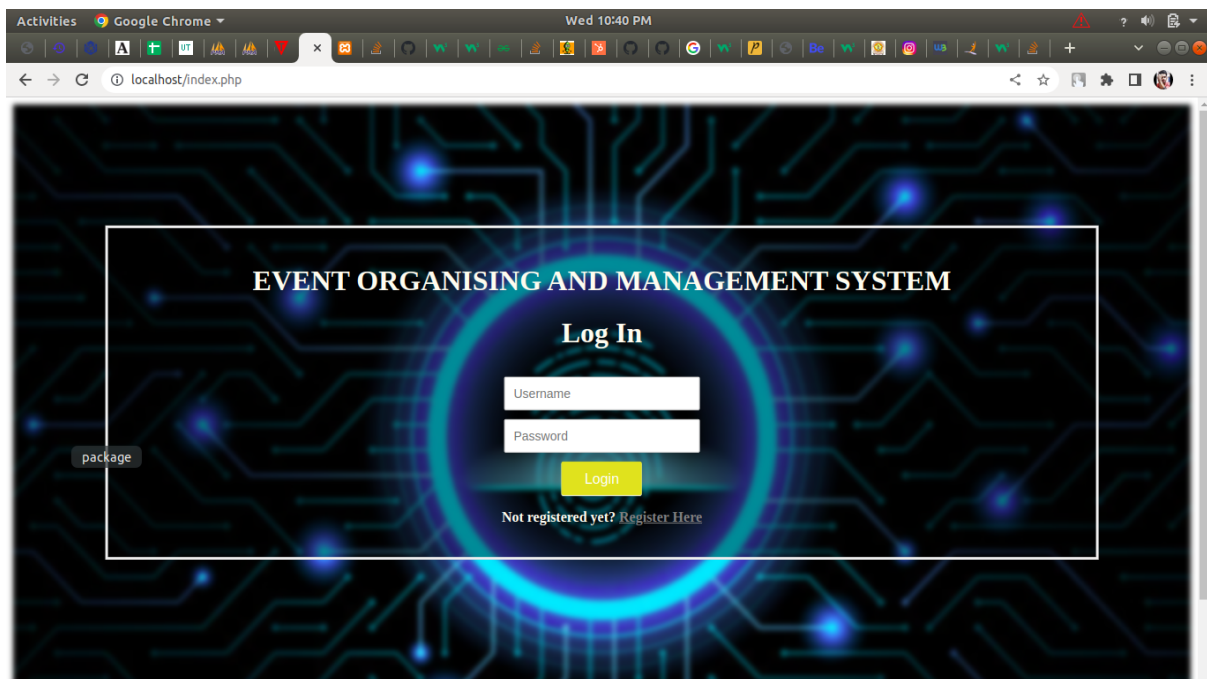
```
        }
else{
?>


<div class="form">
<h1>Register Here!!</h1>
<form name="registration" action="" method="post">
<input type="text" name="username" placeholder="username" required />
<input type="Email" name="Email" placeholder="Email" required />
<input type="password" name="password" placeholder="Password" required />
<input type="submit" name="submit" value="Click me to Register" />
</form>
</div>
<?php } ?>
</body>
</html>
```

# Experiment - 2

Design a GUI window with a menu toolbar and link to different GUI windows.

main.php

```php
<?php
session_start();
$username=$_SESSION["username"];
if(!isset($_SESSION["username"])){
header("Location: index.php");
exit(); }
?>


<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <link rel="stylesheet" href="start.css">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-
awesome.min.css">
</head>

<body>
<div class="header">
```

```html
    <br>
<img src="curaj-logo.png">
    <button class="btn about"
onclick="window.location.href='#about'">About Us</button>


    <button class="btn celeb"><a href="#" class="cl1" >Contact
Us</font></a></button>
<?php
echo "<button class='btn login'><a href='#'  class='cl2'>Hi ,
$username</a></button>"


?>
    <button class="btn login"><a href="index.php" class="cl1" >Logout
</font></a></button>
</div>

<style>

.events{

margin: 20px 20px 20px;
display : flex;

background-color : #ae4225   ;
height : 100%;
width : 96%;
}
.colL{
color : white;
border : 3px solid #868586;
padding : 20px 20px 20px;
width : 40%;
float : left;
}
.colM{
color : white;
```

```
border : 3px solid #868586;
padding : 20px 20px 20px;
width : 30%;
float : left;
}
.colR{
color : white;
border : 3px solid #868586;
padding : 20px 20px 20px;
float : left;
width : 400px;
height : 100%;
}



</style>
<div class="events">
                <div class="colL">
                    Live Events

<br>
            <hr>
<ul>
<li style="color : white;">Chess Competition</li>
<li style="color : white;"> Trials for Cricket Team for West Zone</li>
</ul>
                </div>
                <div class="colM">
                Upcoming Events
<br>
<ul>

</ul style="color : white;">
<hr>
<li "><a href="#" class="links" style="color : white;">Curaj Cricket
League</li>
```

```
<li style="color : white;">Coding Competition </li>
                </div>
            <div class="colR">
                Results of Past Events
<hr>
<ul style="color : white;">
<li style="color : white;">Women's Volleyball league </li>
        </ul> </div>

</div>
<style>
.footer{
position : absolute;
bottom : 0;
margin-left : 15px;
  background-color: #000000;
  padding: 10px;
  text-align: center;
width : 95%;
}

</style>
<div class="footer">
  <hr>
 <img src="images\events\step.png" height="80" width="80">
 <img src="images\events\code.png" height="80" width="80">
 <img src="images\events\present.png" height="80" width="80">
 <img src="images\events\music.png" height="80" width="80">
 <img src="images\events\rock.png" height="80" width="80">
 <img src="images\events\mime.png" height="80" width="80">
 <img src="images\events\quiz.png" height="80" width="80">
 <img src="images\events\paint.png" height="80" width="80">
 <img src="images\events\dance.png" height="80" width="80">
 <img src="images\events\game.png" height="80" width="80">
 <img src="images\events\theatre.png" height="80" width="80">
 <img src="images\events\robot.png" height="80" width="80">
```

```
 <img src="images\events\tune.png" height="80" width="80">
</div>


</body>
</html>
```



# Experiment -3

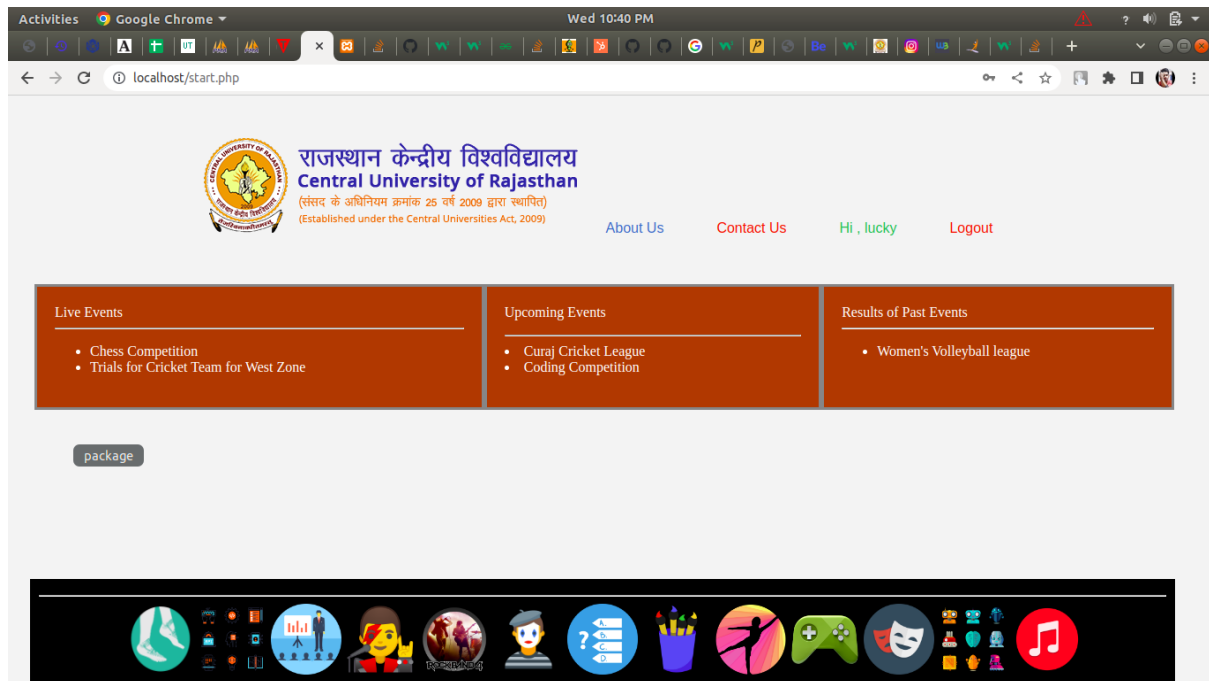Design a GUI window containing tables and images.

save.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Dynamic Table</title>
    <link rel="stylesheet" type="text/css"
href="assets/css/bootstrap.min.css">
</head>
```

```html
<style>
  body {
    background-image: url("4765684.jpg");
    background-color: #cccccc;

  }
  .container{
    position: center;

  }
  #tbl {
    background-color: #cccccc;

  }

  </style>
<body>
  <div class="container" >
<h1 >Indian Cricket Team</h1>


<form method="POST" name="sample" id="formm">
<br>
  Jersey No. <input type="number" name="jerseyno">
  Name: <input type="text" name="name">
  <br><br>
  <input type="button" name="add" value="Add Data"
onclick="addStudent();" class="btn btn-success"><hr>

      <table id="tbl" class="table" border="1">
        <thead>
        <th>jerseyno</th>
        <th>Name</th>
        <th> Delete</th>
        <th>Update</th>
```

```
        </thead>

        <tbody>

        </tbody>
     </table>

</form>

 <script type="text/javascript">

   function addStudent()
   {
       var jerseyno=document.sample.jerseyno.value;
       var name=document.sample.name.value;

       var tr = document.createElement('tr');

       var td1 = tr.appendChild(document.createElement('td'));
       var td2 = tr.appendChild(document.createElement('td'));
       var td3 = tr.appendChild(document.createElement('td'));
       var td4 = tr.appendChild(document.createElement('td'));


       td1.innerHTML=jerseyno
       td2.innerHTML=name;
       td3.innerHTML='<input type="button" name="del" value="Delete"
onclick="delStudent(this);" class="btn btn-danger">'
       td4.innerHTML='<input type="button" name="up" value="Update"
onclick="UpStud(this);" class="btn btn-primary">'

       document.getElementById("tbl").appendChild(tr);
   }

   function UpStud(stud){
       var jerseyno=document.sample.jerseyno=dovalue;
```

```
    var name=document.sample.name.value;
    var s = stud.parentNode.parentNode;
    var tr = document.createElement('tr');

    var td1 = tr.appendChild(document.createElement('td'));
    var td2 = tr.appendChild(document.createElement('td'));
    var td3 = tr.appendChild(document.createElement('td'));
    var td4 = tr.appendChild(document.createElement('td'));


    td1.innerHTML='<input type="number" name="rollno1">';
    td2.innerHTML='<input type="text" name="name1">';
    td3.innerHTML='<input type="button" name="del" value="Delete" onclick="delStudent(this);" class="btn btn-danger">'
    td4.innerHTML='<input type="button" name="up" value="Update" onclick="addUpStud(this);" class="btn btn-primary">'

    document.getElementById("tbl").replaceChild(tr, s);
}

  function addUpStud(stud){
    var jerseyno=document.sample.rollno1.value;
    var name=document.sample.name1.value;
    var s = stud.parentNode.parentNode;
    var tr = document.createElement('tr');

    var td1 = tr.appendChild(document.createElement('td'));
    var td2 = tr.appendChild(document.createElement('td'));
    var td3 = tr.appendChild(document.createElement('td'));
    var td4 = tr.appendChild(document.createElement('td'));


    td1.innerHTML=jerseyno;
    td2.innerHTML=name;
    td3.innerHTML='<input type="button" name="del" value="Delete" onclick="delStudent(this);" class="btn btn-danger">'
```

```
        td4.innerHTML='<input type="button" name="up" value="Update"
onclick="UpStud(this);" class="btn btn-primary">'

        document.getElementById("tbl").replaceChild(tr, s);
    }

    function delStudent(Stud){
        var s=Stud.parentNode.parentNode;
        s.parentNode.removeChild(s);
    }


    </script>
</div>
    </body>
</html>
```

# Experiment - 4

Design a GUI window with drop down boxes that changes dynamically.
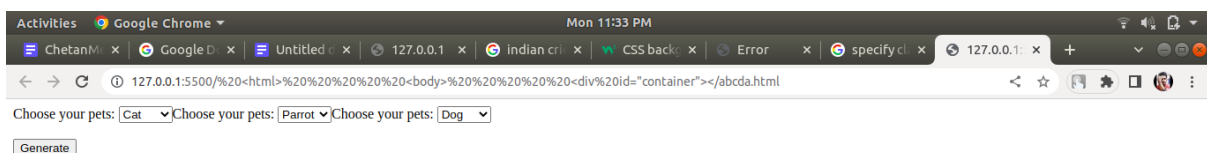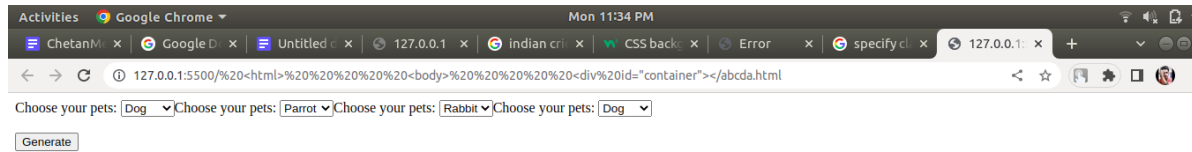
drop.html

```
<html>
    <body>
    <div id="container"></div>
    <br>
    <div>
    <button id="generate">Generate</button>
    </div>
    <Script>
```

```
        document.getElementById('generate').onclick = function() {

var values = ["dog", "cat", "parrot", "rabbit"];

var select = document.createElement("select");
select.name = "pets";
select.id = "pets"

for (const val of values)
{
    var option = document.createElement("option");
    option.value = val;
    option.text = val.charAt(0).toUpperCase() + val.slice(1);
    select.appendChild(option);
}

var label = document.createElement("label");
label.innerHTML = "Choose your pets: "
label.htmlFor = "pets";


document.getElementById("container").appendChild(label).appendChild(
select);
}
  </Script>
  </body>
</html>
```

# EXPERIMENT - 5

Design a User login portal window, the user credentials must be stored in any database.

## Index.php

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="indexstyle.css">
    <title>Document</title>
</head>
<body>
    <div class="bg-image">
        <img src="cyber.jpg" class = "image">
    </div>


<div class="login">
<?php
```

```php
require('db.php');
session_start();

if (isset($_POST['username'])){

    $username = $_REQUEST['username'];
        $password = ($_REQUEST['password']);

    $query = "SELECT * FROM `users` WHERE `username`='$username'
and `password`=" + '$password'";
        $result = mysqli_query($conn,$query) or die(mysqli_error($conn));
        $rows = mysqli_num_rows($result);
    if($rows==1){
        $_SESSION['username'] = $username;
        header("Location: start.php");
    }else{
        echo "<div class='form'>
<h3>Username/password is incorrect.</h3>
<br/>Click here to <a href='index.php'>Login</a></div>";
        }
    }else{
?>
<div class="form">
<h1>Log In</h1>
<form action="" method="post" name="login">
<input type="text" name="username" placeholder="Username" required
/><br>
<input type="password" name="password" placeholder="Password"
required />
<br>
<input name="submit" type="submit" value="Login" />
</form>
<p>Not registered yet? <a href='registration.php'>Register Here</a></p>
</div>
<?php } ?>
</body>
```

```
</html>
```

# Registration.php

```
<!DOCTYPE html>
<html lang="en">
<meta charset="utf-8">
<link rel="stylesheet" href="registration.css" />
</head>
<body>
<div class="bg-image">
        <img src="cyber2.jpg" class = "image">
    </div>
    <div class="login">

<?php
require('db.php');
if (isset($_POST['username']))
{
    $var = 0;
    if(isset($_POST['Email']))
    {
    $username = ($_POST['username']);
    $Email = ($_POST['Email']);
    $password = ($_POST['password']);

    if(!filter_var($Email, FILTER_VALIDATE_EMAIL))
    {
        $msg = 'The Email you have entered is invalid, please try again.';
        echo $msg;
    }else{

        $query = "INSERT INTO `users` (`username`, `password`, `Email`)
VALUES ('$username', '$password', '$Email');";
        $result1 = mysqli_query($conn,$query);
```

```php
        if($result1)
        {
            echo "<div class='form'>
            <h3>You are registered successfully.</h3>
            <br/>Click here to start <a href='start.php'>Login</a></div>";
        }
    }
  $conn->close();
    }
    }
else{
?>


<div class="form">
<h1>Register Here!!</h1>
<form name="registration" action="" method="post">
<input type="text" name="username" placeholder="username" required
/>
<input type="Email" name="Email" placeholder="Email" required />
<input type="password" name="password" placeholder="Password"
required />
<input type="submit" name="submit" value="Click me to Register" />
</form>
</div>
<?php } ?>
</body>
</html>
```

## **EXPERIMENT - 6**

Design a GUI based application for LOAN EMI calculator

Loan.html

```html
<!DOCTYPE html>
<html>
<head>
  <title>Loan calculator-KalyanMishra
(TutorialsPoint)</title>
  <style>
    .Loan_calcualtor{
      width: 400px;
      height: 550px;
      background-color: black;
      position: absolute;
      left: 50%;
      top: 50%;
      transform: translateX(-50%) translateY(-50%);
      padding: 20px 0px 0px 100px;
      border-radius: 10px;
      color: white;
    }
    p{
      color: white;
      font-size: 25px;
```
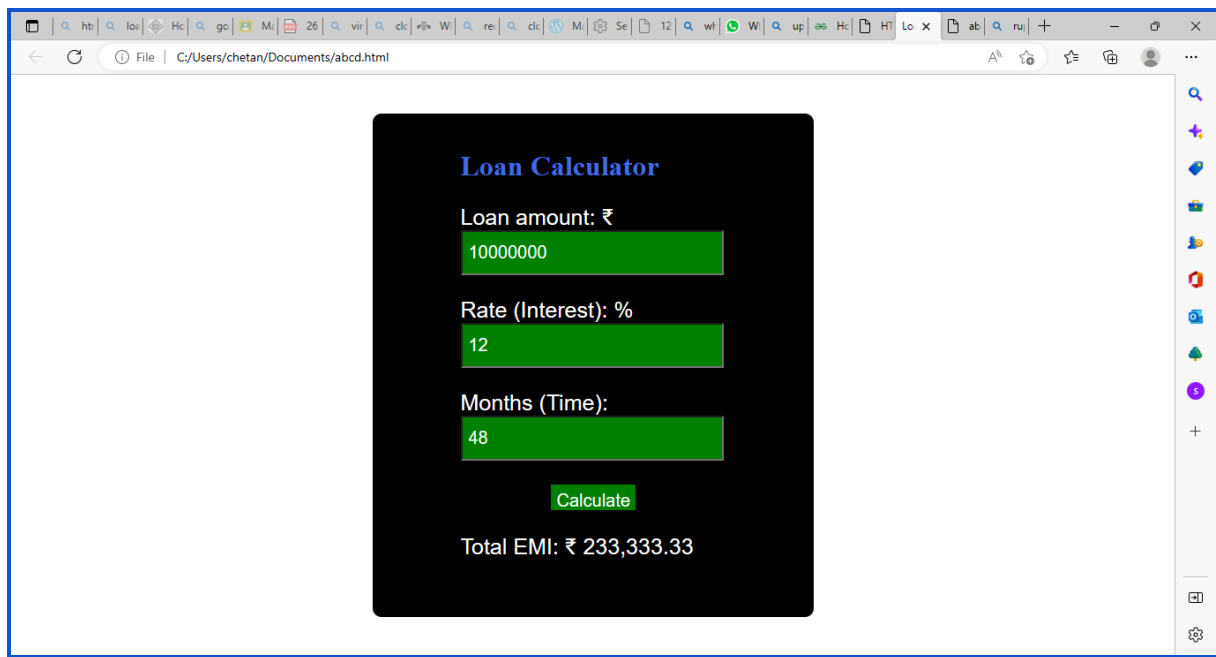
```
        font-family: sans-serif;
    }
    h1{
        color: royalblue;
    }
    input{
        height: 33px;
        width: 70%;
        background-color: green;
        font-size: 20px;
        color: white;
        padding: 7px;
    }
    #calculate_op{
        color: white;
        font-size: 20px;
        width: 100px;
        align-content: center;
        margin-left:100px;
        cursor: pointer;
    }
    </style>
</head>
<body>
    <div class="Loan_calcualtor">
        <h1>Loan Calculator </h1>
        <p>Loan amount: $
```

```
    <input type="number" id="amount" placeholder="Enter amount..">
    </p>
    <p>Rate (Interest): %
    <input step=".1" id="rate" placeholder="Enter rate..">
    </p>
    <p>Months (Time):
    <input type="number" id="time" placeholder="Enter time..">
    </p>
    <input type="button" value="Calculate" id="calculate_op" onclick="calculate()">
    <p>Total EMI: $
    <span style="font-weight: 20px; color: white;" id="output"></span>
    </p>
    </div>
    <script>
    function calculate(){

amount=document.getElementById('amount').value
    rate=document.getElementById('rate').value
    time=document.getElementById('time').value
    const interest = (amount * (rate * 0.01)) / time;
    let emi = ((amount / time) + interest).toFixed(2);
    emi = emi.toString().replace(/\B(?=(\d{3})+(?!\d))/g, ",");
```

```
document.getElementById("output").innerHTML=emi
    }
  </script>
</body>
</html>
```



# EXPERIMENT - 7

Design a GUI window for uploading files.

File.html

```
<!DOCTYPE html>
<html>
```

```html
<head>
    <title>HTML input type file</title>

    <!--CSS code-->
    <style>
        h1 {
            color: Blue;
        }

        h2,
        h3 {
            font-family: Impact;
        }

        body {
            text-align: center;
        }
    </style>
</head>

<body><form action="action.php">
    <h2>Welcome to GUI lab </h2>
    <h3>
        How to create a file Upload
        Button using html?
    </h3>

    <label> Choose the File to upload: </label>
```

```
        <input type="file" id="myFile" /> <br /><br />

        <input type="submit" value="submit" />


</form>
</body>


</html>
```