WEB Essential LAB Batch 1 and Batch 2

Batch 1:

1. Student Info Form (HTML)

```
<!DOCTYPE html>
<html>
<head><title>Student Form</title></head>
<body>
  <h2>Student Information</h2>
  <form>
    Name: <input type="text" name="name"><br><br>>
    Roll No: <input type="text" name="roll"><br><br>>
    Email: <input type="email" name="email"><br><br>>
    Gender:
    <input type="radio" name="gender" value="Male"> Male
    <input type="radio" name="gender" value="Female"> Female<br><br>
    Course:
    <select name="course">
      <option value="B.Tech">B.Tech</option>
      <option value="B.Sc">B.Sc</option>
    </select><br><br>
    <input type="submit" value="Submit">
  </form>
</body>
</html>
```

2. College Webpage with Tabs + Styles

```
<!DOCTYPE html>
<html>
<head>
  <title>XYZ College</title>
  <stvle>
    .tab {
      padding: 10px;
      margin: 5px;
      display: inline-block;
      background-color: #007BFF;
      color: white:
      cursor: pointer;
    }
    .content {
      display: none;
      margin-top: 20px;
  </style>
  <script>
    function showTab(id) {
      document.querySelectorAll('.content').forEach(el => el.style.display =
'none');
      document.getElementById(id).style.display = 'block';
    }
```

```
</first
</head>
</body>
<div class="tab" onclick="showTab('home')">Home</div>
<div class="tab" onclick="showTab('admission')">Admission</div>
<div class="tab" onclick="showTab('contact')">Contact</div>
<div class="tab" onclick="showTab('infra')">Infrastructure</div>
<div class="tab" onclick="showTab('infra')">Infrastructure</div>
<div id="home" class="content"><h2>Welcome to XYZ College</h2></div>
<div id="admission" class="content"><h2>Admissions Open</h2></div>
<div id="contact" class="content"><h2>Contact us at info@xyz.edu</h2></div>
<div id="infra" class="content"><h2>State-of-the-art facilities</h2></div>
</body>
</html>
```

3. Native Calculator

```
<!DOCTYPE html>
<html>
<head><title>Simple Calculator</title></head>
<body>
  <h2>Calculator</h2>
  <input id="n1" type="number">
  <select id="op">
    <option value="+">+</option>
    <option value="-">-</option>
    <option value="*">*</option>
    <option value="/">/</option>
  </select>
  <input id="n2" type="number">
  <button onclick="calc()">=</button>
  <span id="res"></span>
  <script>
    function calc() {
      let n1 = parseFloat(document.getElementById("n1").value);
      let n2 = parseFloat(document.getElementById("n2").value);
      let op = document.getElementById("op").value;
      let result;
      switch (op) {
        case '+': result = n1 + n2; break;
        case '-': result = n1 - n2; break;
        case '*': result = n1 * n2; break;
        case '/': result = n2 != 0 ? n1 / n2 : "Err"; break;
      document.getElementById("res").innerText = result;
  </script>
</body>
</html>
```

4. Payment Page with JavaScript Validation

```
<!DOCTYPE html>
<html>
<head><title>Payment</title></head>
```

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```
<body>
  <h2>Payment Form</h2>
  <form onsubmit="return validate()">
   Username: <input type="text" id="uname"><br><br>>
   Password: <input type="password" id="pass"><br><br>
   Payment Type:
    <select id="ptype">
      <option value="">--Select--</option>
      <option>Card</option>
      <option>UPI</option>
    </select><br><br>
    <input type="submit" value="Pay">
  </form>
  <script>
    function validate() {
      let uname = document.getElementById("uname").value;
      let pass = document.getElementById("pass").value;
      let ptype = document.getElementById("ptype").value;
      if (!uname || !pass || !ptype) {
        alert("All fields are required!");
        return false;
      alert("Payment Successful");
      return true;
  </script>
</body>
</html>
```

5. HTML Form + Servlet

```
<!-- form.html -->
<form method="get" action="HelloServlet">
    Enter Name: <input type="text" name="name">
    <input type="submit" value="Submit">
    </form>

// HelloServlet.java
public class HelloServlet extends HttpServlet {
    protected void doGet(HttpServletRequest req, HttpServletResponse res) throws
IOException {
        String name = req.getParameter("name");
        res.setContentType("text/html");
        PrintWriter out = res.getWriter();
        out.println("Hello " + name);
    }
}
```

6. Session Tracking Using Hidden Fields (HTML + Servlet)

```
<!-- page1.html -->
<form action="FirstServlet" method="post">
    Enter Name: <input type="text" name="name">
    <input type="submit">
</form>
```

```
// FirstServlet.java
public class FirstServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String name = req.getParameter("name");
    PrintWriter out = res.getWriter();
    out.println("<form action='SecondServlet'>");
    out.println("<input type='hidden' name='user' value='" + name + "'>");
    out.println("<input type='submit' value='Next'>");
    out.println("</form>");
  }
}
// SecondServlet.java
public class SecondServlet extends HttpServlet {
  protected void doGet(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String user = req.getParameter("user");
    res.getWriter().println("Welcome back " + user);
}
```

7. Display Mark List using Servlet (with DB + HTML)

```
<!-- marks.html -->
<a href="MarkServlet">View Mark List</a>
// MarkServlet.java
public class MarkServlet extends HttpServlet {
  protected void doGet(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    PrintWriter out = res.getWriter();
    out.println("<h2>Student Marks</h2>");
     Class.forName("com.mysql.jdbc.Driver");
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost/college",
      Statement stmt = con.createStatement();
      ResultSet rs = stmt.executeQuery("SELECT * FROM marks");
     while (rs.next()) {
        out.println("Name: " + rs.getString(1) + ", Marks: " + rs.getInt(2) +
"<br>");
    } catch (Exception e) {
      out.println("Error: " + e);
 }
}
```

8. Book Info Form with PHP + MySQL

```
<!-- book_form.php -->
<form method="post" action="savebook.php">
Name: <input type="text" name="name"><br>
Select Book:
<select name="book">
```

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```
<?php
    $con = mysqli_connect("localhost", "root", "", "books");
    $res = mysqli_query($con, "SELECT title FROM catalog");
    while ($row = mysqli_fetch_assoc($res)) {
      echo "<option>" . $row['title'] . "</option>";
    ?>
  </select><br>
  <input type="submit">
</form>
<!-- savebook.php -->
<?php
$con = mysqli connect("localhost", "root", "", "books");
$name = $_POST['name'];
$book = $_POST['book'];
mysqli_query($con, "INSERT INTO bookings(name, book) VALUES('$name', '$book')");
echo "Book reserved!";
?>
```

9. Passport Application Form (PHP with Regex)

```
<!-- passport_form.php -->
<form method="post">
    Email: <input type="text" name="email">
        <input type="submit">
        </form>

if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $email = $_POST['email'];
    if (preg_match("/^[\w\-\.]+@([\w-]+\.)+[\w-]{2,4}$/", $email))
        echo "Valid Email";
    else
        echo "Invalid Email";
}
```

10. Engineering Counselling Form (HTML + PHP + DB)

```
<!-- counselling.php -->
<form method="post">
   Name: <input type="text" name="name"><br>
   Cutoff: <input type="text" name="cutoff"><br>
        <input type="submit" value="Register">
   </form>

if ($_SERVER["REQUEST_METHOD"] == "POST") {
   $con = mysqli_connect("localhost", "root", "", "counselling");
   $name = $_POST['name'];
   $cutoff = $_POST['cutoff'];
   mysqli_query($con, "INSERT INTO students(name, cutoff) VALUES('$name', '$cutoff')");
   echo "Registration Successful!";
}
```

11. Web Service for Product Survey

```
<!-- survey.php -->
<form method="post">
  Name: <input type="text" name="name"><br>
  Do you like our product?
  <input type="radio" name="opinion" value="Yes">Yes
  <input type="radio" name="opinion" value="No">No<br>
  <input type="submit" value="Submit">
</form>
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
  $con = mysqli_connect("localhost", "root", "", "survey");
  $name = $_POST['name'];
  $opinion = $_POST['opinion'];
 mysqli_query($con, "INSERT INTO feedback(name, opinion) VALUES('$name',
'$opinion')");
  echo "Thank you for your feedback!";
?>
```

12. Web Service Calculator (PHP API Style)

```
<!-- calculator_api.php -->
<?php
if (isset($_GET['a']) && isset($_GET['b']) && isset($_GET['op'])) {
  a = GET['a'];
  b = GET['b'];
  $op = $_GET['op'];
  switch ($op) {
    case 'add': echo $a + $b; break;
   case 'sub': echo $a - $b; break;
   case 'mul': echo $a * $b; break;
    case 'div': echo $b != 0 ? $a / $b : "Divide by zero error"; break;
    default: echo "Invalid Operation";
}
?>
Test in browser:
calculator_api.php?a=10&b=2&op=add
```

13. Contact Info to DB (PHP)

```
<!-- contact.php -->
<form method="post">
First Name: <input type="text" name="fname"><br>
Last Name: <input type="text" name="lname"><br>
Phone: <input type="text" name="phone"><br>
Email: <input type="email" name="email"><br>
```

```
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```

14. Contact Info to DB (Servlet)

```
<!-- contact.html -->
<form method="post" action="ContactServlet">
  First Name: <input type="text" name="fname"><br>
  Last Name: <input type="text" name="lname"><br>
  Phone: <input type="text" name="phone"><br>
  Email: <input type="email" name="email"><br>
  DOB: <input type="date" name="dob"><br>
  Nickname: <input type="text" name="nickname"><br>
  <input type="submit">
</form>
// ContactServlet.java
public class ContactServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String fname = req.getParameter("fname");
   String lname = req.getParameter("lname");
   String phone = req.getParameter("phone");
   String email = req.getParameter("email");
   String dob = req.getParameter("dob");
   String nick = req.getParameter("nickname");
    try {
      Class.forName("com.mysql.jdbc.Driver");
      Connection con =
DriverManager.getConnection("jdbc:mysql://localhost/contacts", "root", "");
      PreparedStatement ps = con.prepareStatement("INSERT INTO contact VALUES (?, ?,
?, ?, ?, ?)");
      ps.setString(1, fname);
      ps.setString(2, lname);
      ps.setString(3, phone);
      ps.setString(4, email);
      ps.setString(5, dob);
      ps.setString(6, nick);
     ps.executeUpdate();
     res.getWriter().println("Saved Successfully!");
    } catch (Exception e) {
      res.getWriter().println("Error: " + e);
  }
```

}

15. Shopping Mall Page (HTML + CSS with 4 Tables)

```
<!DOCTYPE html>
<html>
<head>
 <title>Shopping Mall</title>
 <style>
  table { border-collapse: collapse; width: 100%; margin: 20px 0; }
  th, td { border: 1px solid #333; padding: 8px; }
  h2 { background-color: #f0f0f0; padding: 10px; }
 </style>
</head>
<body>
 <h1>XYZ Shopping Mall</h1>
 <h2>Electronics</h2>
 ProductPrice
  TV₹20,000
 <h2>Clothing</h2>
 ItemPrice
  Shirt₹800
 <h2>Groceries</h2>
 ItemPrice
  Rice₹60/kg
 <h2>Home Appliances</h2>
 ItemPrice
  Fan₹1500
 </body>
</html>
```

16. Hospital Webpage with 4 Tables + CSS

```
<!DOCTYPE html>
<html>
<head>
    <title>ABC Hospital</title>
        <style>
            table, th, td { border: 1px solid black; border-collapse: collapse; padding:
8px; }
        </style>
</head>
<body>
        <h1>ABC Hospital</h1>
```

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```
<h2>Doctors</h2>
NameDepartment
 Dr. RajCardiology
<h2>Departments</h2>
DepartmentHead
 NeurologyDr. Smith
<h2>Rooms</h2>
Room NoType
 101ICU
<h2>Services</h2>
ServiceCost
 X-Ray₹500
</body>
</html>
```

17. Facebook Registration with JS Validation

```
<!DOCTYPE html>
<html>
<head>
  <title>Facebook Registration</title>
  <script>
    function validate() {
      let name = document.getElementById("name").value;
      let email = document.getElementById("email").value;
      if (name === "" || email === "") {
        alert("Please fill all fields.");
        return false;
      alert("Registration successful!");
      return true;
  </script>
</head>
<body>
  <h2>Register</h2>
  <form onsubmit="return validate()">
   Name: <input type="text" id="name"><br>
    Email: <input type="email" id="email"><br>
    <input type="submit" value="Register">
  </form>
</body>
</html>
```

18. Embed Map + Hotspot

19. Quiz Program using HTML + Servlet

```
<!-- quiz.html -->
<form method="post" action="QuizServlet">
 What is 2 + 2?
  <input type="text" name="ans"><br>
  Your Name: <input type="text" name="name"><br>
  <input type="submit">
</form>
// QuizServlet.java
public class QuizServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String ans = req.getParameter("ans");
   String name = req.getParameter("name");
   try {
     Connection con = DriverManager.getConnection("jdbc:mysql://localhost/quiz",
"root", "");
      Statement st = con.createStatement();
      st.executeUpdate("INSERT INTO results(name, answer) VALUES('" + name + "', '"
+ ans + "')");
      res.getWriter().println("Answer submitted!");
    } catch (Exception e) {
      res.getWriter().println("Error: " + e);
  }
}
```

20. Grievance Portal (HTML + PHP + DB)

```
<!-- grievance.php -->
<form method="post">
Name: <input type="text" name="name"><br>
Email: <input type="email" name="email"><br>
Complaint: <textarea name="complaint"></textarea><br>
<input type="submit">
</form>
```

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $con = mysqli_connect("localhost", "root", "", "grievance");
    extract($_POST);
    mysqli_query($con, "INSERT INTO complaints(name, email, complaint) VALUES('$name',
'$email', '$complaint')");
    echo "Grievance submitted!";
}
?>
```

Batch 2:

- 1. Create a web page with the following using HTML
- a. Embed different types of fruits picture
- b. Fix hot spots
- c. Show all related info on click

2. Create a web page for student info with styles

```
<!DOCTYPE html>
<html>
<head>
  <title>Student Info</title>
  <style>
    body { font-family: Arial; background-color: #f2f2f2; }
    .section { padding: 20px; background: white; margin: 20px; border-radius: 8px; }
   h2 { color: darkblue; }
  </style>
</head>
<body>
  <div class="section"><h2>No. of Students on Roll</h2>1200</div>
  <div class="section"><h2>Placement Details</h2>300 students placed in
2024</div>
  <div class="section"><h2>Gallery</h2><img src="gallery.jpg" width="300"></div>
  <div class="section"><h2>Awards/Recognition</h2>Best College 2023 -
AICTE</div>
```

```
</body>
```

3. Create Email ID & validate login/profile using JavaScript

```
<!DOCTYPE html>
<html>
<head>
  <script>
    function validateForm() {
      var email = document.getElementById("email").value;
      if (!email.includes("@")) {
        alert("Invalid Email");
        return false;
      alert("Registration Successful");
      return true;
  </script>
</head>
<body>
  <h2>Register Email</h2>
  <form onsubmit="return validateForm()">
    Email: <input type="text" id="email"><br>
    <input type="submit" value="Register">
  </form>
</body>
</html>
```

4. Servlet: Event Webpage with session tracking & hit count

a. HTML Form to Invoke Servlet

```
<form action="EventServlet" method="post">
  Name: <input type="text" name="user"><br>
  <input type="submit" value="Submit">
</form>
```

b. Java Servlet with Hidden Field Session Tracking

```
public class EventServlet extends HttpServlet {
   protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    res.setContentType("text/html");
    PrintWriter out = res.getWriter();
    String name = req.getParameter("user");
    out.println("<form action='NextServlet' method='post'>");
    out.println("<input type='hidden' name='username' value='" + name + "'>");
    out.println("<input type='submit' value='Next'>");
    out.println("</form>");
  }
}
```

5. Three-Tier Servlet App for Placement Exam

Frontend (HTML Form)

```
<form action="PlacementServlet" method="post">
  Roll No: <input type="text" name="roll"><br>
  <input type="submit" value="Get Marks">
  </form>
```

Servlet Code

6. Convert static page to dynamic using Cookies

Set Cookie Example

```
Cookie c = new Cookie("user", "john123");
res.addCookie(c);
```

Read Cookie

```
Cookie[] cookies = req.getCookies();
for (Cookie c : cookies) {
  if (c.getName().equals("user")) {
    out.println("Welcome " + c.getValue());
  }
}
```

7. Railway Reservation in PHP

a. PHP Regex Validation

```
if (!preg_match("/^[A-Za-z ]{3,}$/", $_POST['name'])) {
  echo "Invalid Name";
}
```

b. Store Data in DB

```
$conn = new mysqli("localhost", "root", "", "railway");
$sql = "INSERT INTO reservation (name, age) VALUES ('$_POST[name]', '$_POST[age]')";
$conn->query($sql);
```

8. Web page: Departments + Hotspots

```
<img src="departments.jpg" usemap="#deptmap">
<map name="deptmap">
    <area shape="rect" coords="0,0,100,100" href="cse.html" alt="CSE">
        <area shape="rect" coords="110,0,210,100" href="eee.html" alt="EEE">
        </map>
```

9. CSS, Embedded, Inline

10. JavaScript Validation for Grievance Redressal

```
<form onsubmit="return validate()">
  Name: <input type="text" id="name"><br>
  Email: <input type="text" id="email"><br>
  <input type="submit" value="Submit">
  </form>
  <script>
  function validate() {
    let email = document.getElementById("email").value;
    if (!email.includes("@")) {
        alert("Invalid Email");
        return false;
    }
    alert("Form Submitted");
    return true;
}
```

11. Create college webpage using Java Servlets

- a. Invoke Servlets from HTML form
- b. Session tracking using hidden form fields & hit count

HTML Form:

```
<form action="CollegeServlet" method="post">
  Name: <input type="text" name="uname"><br>
  <input type="submit" value="Visit Page">
  </form>
```

CollegeServlet.java:

```
public class CollegeServlet extends HttpServlet {
   int count = 0;

protected void doPost(HttpServletRequest req, HttpServletResponse res) throws IOException {
   res.setContentType("text/html");
   PrintWriter out = res.getWriter();

   String name = req.getParameter("uname");
   count++;

   out.println("<form action='NextServlet' method='post'>");
   out.println("<input type='hidden' name='uname' value='" + name + "'>");
   out.println("<h3>Hit Count: " + count + "</h3>");
   out.println("<input type='submit' value='Continue'>");
   out.println("</form>");
  }
}
```

12. Three-tier application for rating website using Servlets

Database Table: feedback(id, username, rating, comment)

<form action="RatingServlet" method="post">

Username: <input type="text" name="user">

HTML Form:

```
Rating: <input type="radio" name="rate" value="positive">Positive
  <input type="radio" name="rate" value="negative">Negative<br>
  <input type="submit" value="Submit">
</form>
Servlet:
public class RatingServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String user = req.getParameter("user");
   String rate = req.getParameter("rate");
    try {
      Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/db",
"root", "");
      PreparedStatement ps = con.prepareStatement("INSERT INTO feedback VALUES
(?, ?, ?)");
      ps.setInt(1, 0);
      ps.setString(2, user);
      ps.setString(3, rate);
      ps.executeUpdate();
      PrintWriter out = res.getWriter();
      out.println("Thanks for your feedback!");
    } catch (Exception e) {
      e.printStackTrace();
 }
}
```

13. Convert static site to dynamic using Servlet and cookies

Login Form (login.html):

```
<form action="LoginServlet" method="post">
  User ID: <input type="text" name="uid"><br>
  Password: <input type="password" name="pwd"><br>
  <input type="submit" value="Login">
</form>
Servlet (LoginServlet.java):
public class LoginServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String uid = req.getParameter("uid");
   String pwd = req.getParameter("pwd");
   if (uid.equals("admin") && pwd.equals("123")) {
      Cookie c = new Cookie("user", uid);
      res.addCookie(c);
      res.sendRedirect("welcome.html");
    } else {
      res.getWriter().println("Invalid login");
 }
}
web.xml Configuration:
<web-app>
  <servlet>
    <servlet-name>LoginServlet</servlet-name>
    <servlet-class>LoginServlet</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>LoginServlet</servlet-name>
    <url-pattern>/LoginServlet</url-pattern>
  </servlet-mapping>
</web-app>
```

14. PHP Script

- a. Reverse a string
- b. Calculate Simple and Compound Interest

```
<?php
// Reverse string
$str = "Hello World";
echo "Reverse: " . strrev($str) . "<br>";

// Simple & Compound Interest
$p = 1000; $r = 5; $t = 2;
$si = ($p * $r * $t) / 100;
$ci = $p * pow((1 + $r / 100), $t) - $p;
```

```
echo "Simple Interest: $si <br>";
echo "Compound Interest: $ci <br>";
?>
```

15. Online Bus Reservation (PHP)

- a. Validate using Regex
- b. Store form data into DB

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['name'];
    if (!preg_match("/^[A-Za-z ]+$/", $name)) {
        echo "Invalid name!";
    } else {
        $conn = new mysqli("localhost", "root", "", "busdb");
        $sql = "INSERT INTO passengers (name, age) VALUES ('$name', $_POST[age])";
        $conn->query($sql);
        echo "Booking Confirmed!";
    }
}
```

16. Contact Form using JSP/Servlet

HTML Form:

```
<form action="ContactServlet" method="post">
  First Name: <input type="text" name="fname"><br>
  Last Name: <input type="text" name="lname"><br>
  Phone: <input type="text" name="phone"><br>
  Email: <input type="email" name="email"><br>
  DOB: <input type="date" name="dob"><br>
  Nickname: <input type="text" name="nick"><br>
  <input type="text" name="nick"><br>
  <input type="submit" value="Save"></form>
```

ContactServlet.java:

```
public class ContactServlet extends HttpServlet {
  protected void doPost(HttpServletRequest req, HttpServletResponse res) throws
IOException {
    String fname = req.getParameter("fname");
    String lname = req.getParameter("lname");
   String phone = req.getParameter("phone");
   String email = req.getParameter("email");
   String dob = req.getParameter("dob");
   String nick = req.getParameter("nick");
   try {
      Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/contacts", "root", "");
      PreparedStatement ps = con.prepareStatement("INSERT INTO info VALUES (?, ?, ?,
?, ?, ?)");
      ps.setString(1, fname); ps.setString(2, lname); ps.setString(3, phone);
      ps.setString(4, email); ps.setString(5, dob); ps.setString(6, nick);
```

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```

```
ps.executeUpdate();
    res.getWriter().println("Contact saved successfully!");
} catch (Exception e) {
    e.printStackTrace();
}
}
```

17. Facebook-style Registration with JavaScript validation

```
    function validate() {
        let email = document.getElementById("email").value;
        let pwd = document.getElementById("pwd").value;
        if (!email.includes("@") || pwd.length < 6) {
            alert("Invalid Email or Password");
            return false;
        }
        alert("Registration Successful!");
        return true;
    }

</script>

<form onsubmit="return validate()">
        Email: <input type="text" id="email"><br>
        Password: <input type="password" id="pwd"><br>
        <input type="submit" value="Register">
        </form>
```

18. Shopping Mall Webpage with 4 tables + CSS

```
<!DOCTYPE html>
<html>
<head>
 <style>
  table { border-collapse: collapse; width: 80%; margin: 10px; }
  th, td { border: 1px solid black; padding: 10px; text-align: center; }
  h2 { color: darkblue; }
 </style>
</head>
<body>
 <h2>Electronics</h2>
 <h2>Clothing</h2>
 ItemPriceShirt$20</
 <h2>Footwear</h2>
 table>
 <h2>Food Court</h2>
 ItemPriceBurger$5</
table>
</body>
</html>
```

19. Passport Registration using PHP Regex

```
<?php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    $name = $_POST['name'];
    $passno = $_POST['passno'];

if (!preg_match("/^[A-Z0-9]{8,}$/", $passno)) {
    echo "Invalid Passport Number";
    } else {
      echo "Passport Registration Successful!";
    }
}
?>
<form method="post">
    Name: <input type="text" name="name"><br>
    Passport No: <input type="text" name="passno"><br>
    <input type="submit" value="Register">
</form>
```

20. Display mark list from backend using Servlet

```
public class MarkServlet extends HttpServlet {
 protected void doGet(HttpServletRequest req, HttpServletResponse res) throws
IOException {
   PrintWriter out = res.getWriter();
     Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/db",
"root", "");
     Statement st = con.createStatement();
     ResultSet rs = st.executeQuery("SELECT * FROM marks");
     out.println("NameMark");
     while (rs.next()) {
       out.println("" + rs.getString("name") + "" +
rs.getInt("mark") + "");
     out.println("");
   } catch (Exception e) {
     e.printStackTrace();
 }
}
```