

Name : K.Pavani (Internet programming)

STD : SEC : ROLL NO :

S.No.	Date	Title	Page No.	Teacher's Sign /
1.	25/8	Personal webpage		
2	25/8	Clickable image link		
3	26/8	Navigate bar webpage		
4	26/8	Std grades table		
5	27/8	Merged calls		
6	27/8	Employee table		
7	28/8	frames with Navigation		
8	28/8	frames with Document		
9	28/8	Three column frame set		
10	29/8	University code registration		
11	4/8	Design blog layout		
12	4/8	real time stock price viewer		
13	5/8	Online shopping		
14	5/8	developing a local restaurant		
15	6/8	Create a user registration		
16	6/8	blog website		
17	7/8	University portal.		

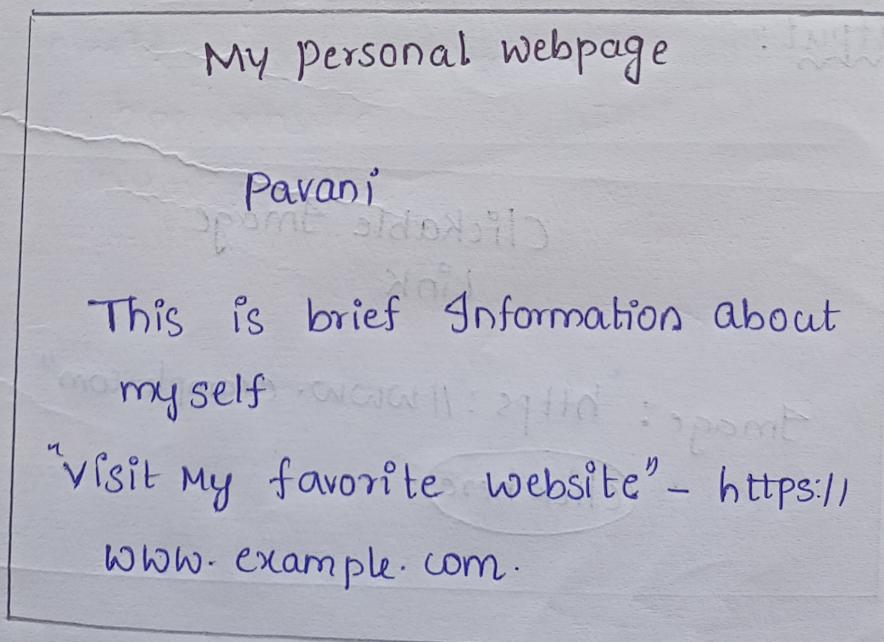
Observation-1

- you are tasked with creating a simple personal web page that includes your name, a brief bio, and a link to your favorite website.

HTML code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Personal Webpage </title>
  </head>
  <body>
    <h1>Your Name </h1>
    <p>This is a brief bio about myself. </p>
    <a href="https://www.example.com" target="blank">Visit my favourite website </a>
  </body>
</html>
```

Output:

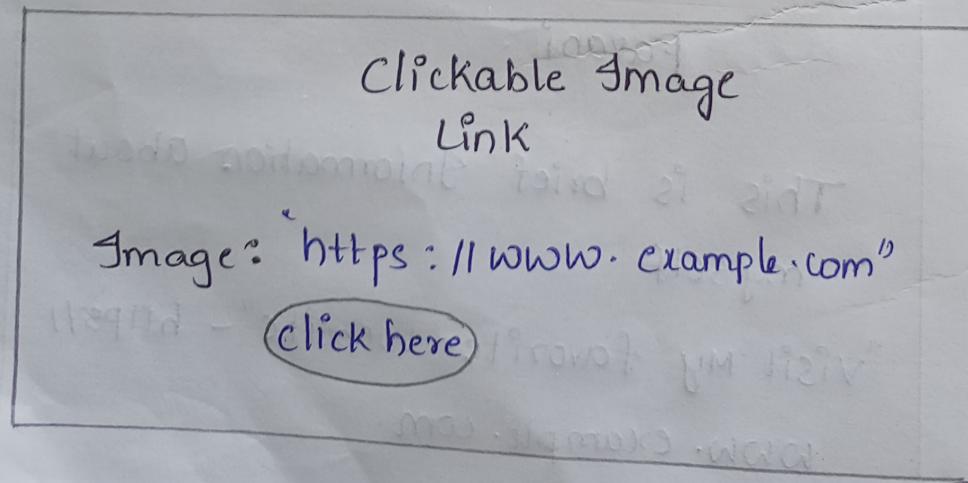


2. you need to create a webpage with an image that acts as a clickable link to another website. How would you code this in HTML? Describe the tags and attributes you would use.

HTML code:

```
<!DOCTYPE html>
<html>
<head>
<title> Clickable Image Link </title>
</head>
<body>
<a href="https://www.example.com" target
   = "-blank">
  
</a>
</body>
</html>
```

Output:



3.

4.

3. you have been asked to create a navigation bar at the top of your webpage with links to "Home", "About", and "Contact" pages. How would you structure this using an unordered list in HTML?

HTML code:

```
<!DOCTYPE html>
<html>
<head>
<title> Navigation Bar </title>
</head>
<body>
<ul>
<li><a href = "home.html"> Home </a></li>
<li><a href = "about.html"> About </a></li>
<li><a href = "contact.html"> Contact </a></li>
</ul>
</body>
</html>
```

Output:

Name	Age	Occupation
Pavani	20	Web developer

4. You are designing a webpage that displays student grades in table format. Each row should represent a student, with columns for the student's ID, name, and grade. The first row should be a header row.

HTML code:

```
<!DOCTYPE html>
<html>
<head>
<title> Student Grades </title>
</head>
```

```

<body>
  <table border="1">
    <tr>
      <th> student ID </th>
      <th> Name </th>
      <th> Grade </th>
    </tr>
    <tr>
      <td> 001 </td>
      <td> Alice </td>
      <td> A </td>
    </tr>
    <tr>
      <td> 002 </td>
      <td> Bob </td>
      <td> B </td>
    </tr>
  </table>
</body>
</html>

```

Student ID	Name	Grade
1001	Alice	A
1002	Bob	B

5. You need to create a table that displays product information. The table should include merged cells from these products.

HTML code:

```

<!DOCTYPE html>
<html>
  <head>
    <title> Tables </title>
  </head>

```

```

</head>
<body>
    <table border="1">
        <tr>
            <th colspan="2"> product Name </th>
            <th> price </th>
            <th> Quantity </th>
        </tr>
        <tr>
            <td colspan="2" rowspan="2">product A</td>
            <td> 12.00 </td>
            <td> 1 </td>
        </tr>
        <tr>
            <td colspan="2" rowspan="2">product B</td>
            <td> 15.00 </td>
            <td> 2 </td>
        </tr>
    </table>
    </body>
</html>

```

Product Name	price	Quantity
A	12.00	1
B	15.00	2

6. You are required to create a table that lists employee details by department.

HTML code:

```

<html>
    <head>
        <title> table list </title>
    </head>

```

```

<body>
  <table border="1">
    <tr>
      <th> Department </th>
      <th> employee Name </th>
    </tr>
    <tr>
      <td rowspan="2" colspan="2">SalesMarketing

```

Department	employeeName
Sales	John
Marketing	Justin

You are tasked to create a webpage with a left navigation pane and a main content area. How do you implement these using frames in HTML?

HTML code:

```

<!DOCTYPE html>
<html>
  <head>

```

7. Write webpage using frames & titles

```
</head>
</frameset>
<frame src = "Navigation.html" name = "navframe">
<frame src = "Content.html" name = "Mainframe">
</frameset>
</html>
```

8. You are asked to design a webpage that displays a document in the top half of the window.

HTML code:

~~~~~

```
<!DOCTYPE html>
<html>
<head>
<title> Frames </title>
</head>
<frameset rows = "50%, 50%">
<frame src = "document.html" name = "topframe">
<frame src = "footer.html" name = "bottomframe">
</frameset>
</html>
```

Document page

This is content of Document.

Footer page

This is content of footer.

Q. You need to create a webpage with three columns or left nav means, a center content area. How do could you should structure the frameset HTML to create this layout.

HTML code:

```
<!DOCTYPE html>
<html>
<head>
    <title>Frames </title>
</head>
<frameset cols="20%, *, 20%">
    <frame src="nav.html" name="leftframe"
          scrolling="auto">
    <frame src="content.html" name="centerframe"
          scrolling="auto">
    <frame src="side bar.html" name="rightframe">
</frameset>
</html>
```

Output:

|           |                       |                                                                       |
|-----------|-----------------------|-----------------------------------------------------------------------|
| Section1  | Welcome<br>TO Webpage | Additional<br>info<br><br>Sidebar to<br>display<br>additional<br>info |
| Section 2 |                       |                                                                       |

1. University course registration system using XHTML and DHTML. The system should manage tasks like available courses, registering studies, displaying student registration etc;

```
<html>
  <html xmlns = "http://www.w3.org/xhtml">
    <head>
      <title> Course Registration </title>
    <style>
      table, th, td { border: 1px solid black; padding: 10px; }
    </style>
    <script type = "text">
      function addCourse() {
        var name = document.getElementById('courseName').value;
        var code = document.getElementById('courseCode').value;
        var instructor = document.getElementById('instructor').value;
        if (name && code && instructor) {
          var table = document.getElementById('courseTable');
          var row = table.insertRow(-1);
          row.insertCell(0).innerHTML = name;
          row.insertCell(1).innerHTML = code;
        }
      }
    </script>
  </head>
  <body>
    <table border = "1">
      <thead>
        <tr>
          <th>Course Name</th>
          <th>Course Code</th>
          <th>Instructor</th>
        </tr>
      </thead>
      <tbody>
        <tr>
          <td>Computer Science</td>
          <td>CSE101</td>
          <td>Dr. John Doe</td>
        </tr>
      </tbody>
    </table>
    <form>
      <input type = "text" id = "courseName" placeholder = "Course Name" />
      <input type = "text" id = "courseCode" placeholder = "Course Code" />
      <input type = "text" id = "instructor" placeholder = "Instructor" />
      <button type = "button" onclick = "addCourse()">Add Course</button>
    </form>
  </body>
</html>
```

```
<script>
</head>

<body>
<h1>Course Registration</h1>
<input type="text" id="courseName" placeholder="Course Name" />
<input type="text" id="courseCode" placeholder="Course Code" />
<button onclick="addCourse()">Add Course</button>

<table id="courseTable">
  <thead>
    <tr><th>Course Name</th><th>Course Code</th><th>Instructor</th></tr>
  </thead>
  <tbody>
  </tbody>
</table>
</body>
</html>
```

Output:

## University Course Registration

Course Code: \_\_\_\_\_

Course Name: \_\_\_\_\_

Add Course

Course code

CSA4399

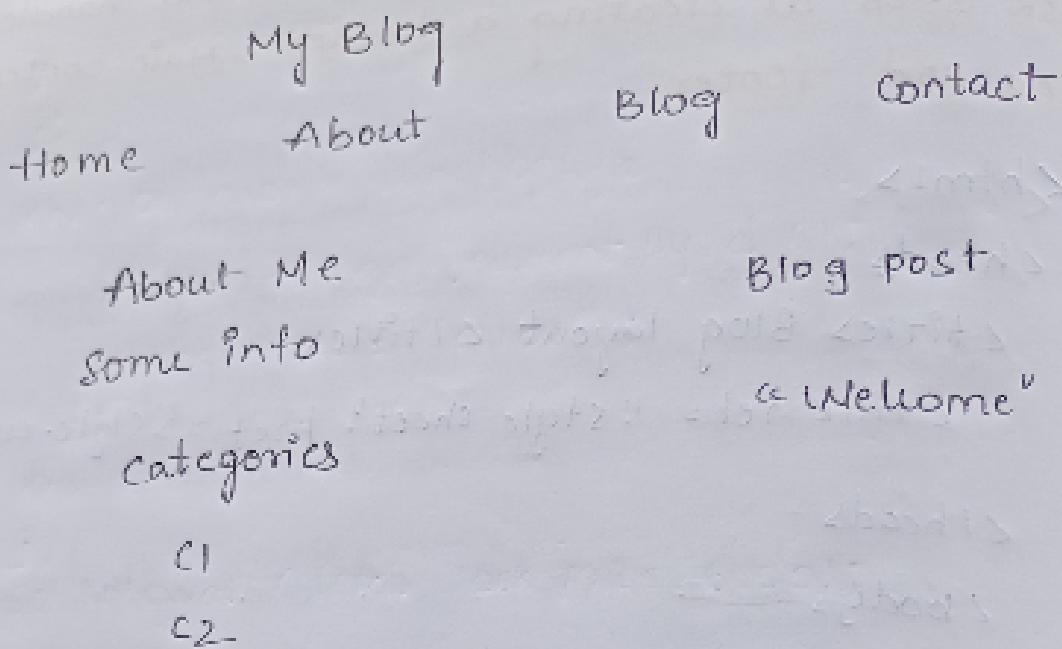
Course Name

IP

2. Design a responsive blog layout using CSS.  
The layout using CSS. The layout should handle  
task such as creating a header → Main content  
area and footer.

```
<html>
  <head>
    <ttitle> Blog layout </ttitle>
    <link rel="style sheet" href="style.css">
  </head>
  <body>
    <header>
      <h1> My Blog </h1>
      <nav>
        <a href="#"> Home </a>
        <a href="#"> About </a>
        <a href="#"> Blog </a>
        <a href="#"> Contact </a>
      </nav>
    </header>
    <div class="container">
      <aside> side bar content </aside>
      <main> Main content area </main>
    </div>
    <footer> © 2024 My Blog </footer>
  </body>
</html>
```

Output:



3. Implement a real time stock price viewer using AJAX. The system should fetch and display stock prices from a remote API. Use AJAX to make a request to stock price API and display the result on the page.

<html>

<head>

<title> Real time stock Price Viewer </title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

padding: 20px;

}

#stock-price {

```
Font-size: 20px;
Margin-top: 20px;
Color: #333;
}

  Padding: 10px;
  Margin-right: 10px;
}
button {
  Padding: 10px 20px;
}
</style>
<script>
function fetchStockPrice() {
  if (!companySymbol) {
    alert("Please enter symbol");
    return;
  }
  const xhr = new XMLHttpRequest();
  xhr.open("Get");
  xhr.onload = function() {
    if (xhr.status === 200) {
      const response = JSON.parse(xhr.responseText);
    } else
  }
}
```

```
document.getElementById('stock-price')  
}  
};  
xhr.onerror = function() {  
    document.getElementById('error').  
    innerHTML = "Error";  
};  
xhr.send();  
setInterval(fetchStockPrice, 6000);  
</script>  
</head>  
<body>  
<h1> Real time price </h1>  
<input type="text" id="stock-symbol"  
placeholder="Enter stock symbol" />  
</body>  
</html>
```

Output:

Stock Price Viewer

Enter stock symbol : [AAPL]

Current Price of AAPL : \$xxx.xx

4. User registration form for a social networking website. The form should contain username, email, HTML code.

```
<html>
  <head>
    <title> User Registration </title>
    <style>
      error { color: red; }
      form-group { margin-bottom: 15px; }
    </style>
  </head>
  <body>
    <form id="registration">
      <div class="form-group">
        <label for="username"> Username </label>
        <input type="text" id="username" name="username" required>
      </div>
      <div class="form-group">
        <label for="email"> Email </label>
        <input type="text" id="email" name="email" required>
        <span id="email_error" class="error">
          </span>
      </div>
      <div class="form-group">
        <label for="password"> Password </label>
        <input type="password" id="password" name="password" required>
      </div>
    </form>
  </body>

```

```
<form>
<script>
    document.getElementById('regForm')
        .addEventListener('submit', function(event) {
            let isValid = true;
            const email = document.getElementById('email').value;
```

```
</script>
```

```
</body>
```

```
</html>
```

output:

User Registration

4. Develop a shopping cart system using javascript  
the system should handle tasks such as adding  
items to cart, removing items, updating quantities  
calculating total price and uploading discounts.

```
let shoppingCart = [];

function addItemCart(itemID, itemName,  
itemPrice, itemQuantity){  
    const existingItem = shoppingCart.find  
        (item => item.id === itemID);  
  
    if(existingItem){  
        existingItem.quantity += itemQuantity;  
        console.log(`Updated ${itemName}`);  
    }  
    else{  
        const newItem = {  
            id: itemID,  
            name: itemName,  
            price: itemPrice,  
            quantity: itemQuantity  
        };  
        shoppingCart.push(newItem);  
        console.log(`Added ${itemName}`);  
    }  
  
    updatedCartTotal();  
}
```

```
function updateCartTotal() {
    let totalPrice = 0;
    shoppingCart.forEach(item => {
        totalPrice += item.price * item.quantity;
    });
    console.log(`Total price: ${totalPrice} to fixed()`);
}

add Item to Cart (1, "laptop", 999.99, 1);
add Item to cart (2, "phone", 499.99, 2);
add Item to cart (3, "laptop", 999.99, 1);
```

Output:

Shopping cart  
Apple \$1.00x3

[Remove Button]

Banana - \$ 0.50 x 5

[Remove Button]

TOTAL: \$ 5.50

Apply Discount [Button]

Enter Discount code [Input field]

2. Design a responsive blog layout using CSS. The layout should handle the layout using CSS. The layout should handle task such as creating a header, main content area and footer.

<html>

<head>

<title> Blog layout </title>

<link rel="stylesheet" href="style.css">

</head>

<body>

<header>

<h1> My Blog </h1>

<nav>

<a href="#"> Home </a>

<a href="#"> About </a>

<a href="#"> Blog </a>

<a href="#"> Contact </a>

</nav>

</header>

<div class="container">

<aside> side bar content </aside>

<main> Main content area </main>

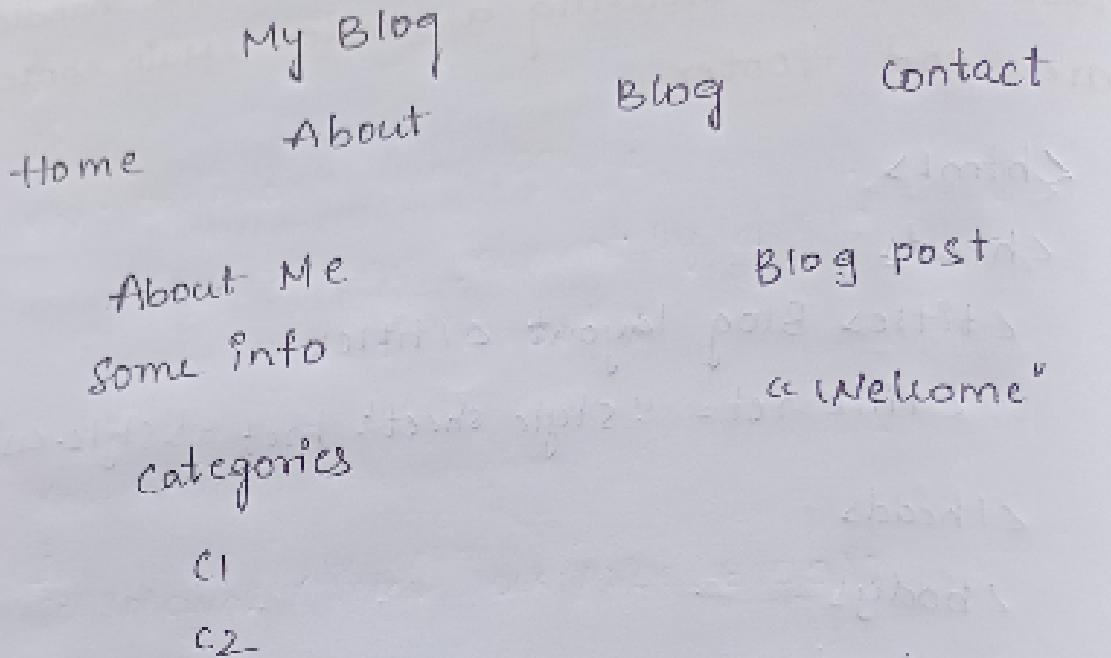
</div>

<footer> © 2024 My Blog </footer>

</body>

</html>

Output:



3. Implement a real time stock price viewer using AJAX. The system should fetch and display stock prices from a remote API. use AJAX to make a request to stock price API and display the result on the page.

<html>

<head>

<title> Real time stock Price viewer </title>

<style>

body {

font-family: Arial, sans-serif;

text-align: center;

padding: 20px;

}

\$ stock - Price {

```
font-size: 20px;  
margin-top: 20px;  
color: #555;  
}  
input { type = "text" }  
padding: 10px;  
margin-right: 10px;  
}  
button {  
padding: 10px 20px;  
}  
script  
function fetchStockPrice()  
{  
if (!companySymbol){  
alert("Please enter symbol");  
return;  
}  
const xhr = new XMLHttpRequest();  
xhr.open("Get");  
xhr.onload = function(){  
if (xhr.status == 200){  
const response = JSON.parse(xhr.responseText);  
}  
else {  
}
```

```
document.getElementById('stock-price')  
    }  
    if (xhr.status === 404) {  
        document.getElementById('stock-price').innerHTML = "Error";  
    }  
    xhr.send();  
});  
setInterval(fetchStockPrice, 6000);  
</script>  
</head>  
<body>  
<h1>Real time price</h1>  
<input type="text" id="stock-symbol"  
placeholder="Enter stock symbol" />  
</body>  
</html>
```

Output:

Stock Price viewer

Enter stock symbol : [AAPL]

Current price of AAPL : \$xxx. xx

Scenario - 1: You are building a page online resume for yourself. This page online resume for yourself, you want to style it with a specific colour scheme.

Q) How would you apply to this resume directly within the HTML file without using external CSS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title> my resume </title>
    <style>
        body {
            margin: 0px;
            padding: 0px;
        }
        .container {
            width: 20px;
            margin: auto;
            background: #fff;
            padding: 20px;
            border-radius: 20px;
            box-shadow: 0 0 0 0px;
        }
        header {
            text-align: center;
            margin-bottom: 20px;
        }
```

Footer {

```
    text-align: center;  
    margin-top: 20px;  
    font-size: 0.9em;  
    color: #666  
}
```

```
</style>  
</head>  
<body>  
<div class = "container">  
<div class = "header">  
<h1> John </h1>  
<p> web developer </p>  
<div>  
<div class = "section">  
<h2> About me </h2>  
<p> Passionate web developer with experience  
in creating responsive and user friendly </p>  
<div>  
<div class = "section">  
<h2> skills </h2>  
<ul>  
<li> HTML, CSS, Javascript </li>  
<li> React, Node </li>  
</ul>  
</div>  
</body> </html>
```

Output:

My Resume

Deepika - web developer

Passionate web developer with  
experience in creating website.

3. You have been assigned the task of establishing a development environment for a new web application project. The team is considering whether to utilize the LAMP Stack and wAMP Stack. Additionally they seek to accept the role of Apache Web Server within stack & how it integrates with other component.

Step 1: Create MySQL Database & table

CREATE DATABASE Library;

USE Library;

CREATE TABLE books (

id int AUTO\_INCREMENT Primary Key,

title VARCHAR(255) NOT NULL,

author Varchar(255) NOT NULL,

published\_year int NOT NULL,

);

Insert into books (title, author, published-year) value

(TO kill a mockingbird, 'Harper Lee', 1960),

('1984', 'George Orwell', 1949)

(The great gatsby, 'F.Scott Fitzgerald', 1927);

Step 2: Create PHP Script

\$servername = "localhost";

\$username = "root";

\$password = " ";

\$dbname = "Library";

\$conn = new MySQLi(\$servername, \$username, \$password, \$dbname);

```

if ($conn->connect_error) {
    die("connection failed" . $conn->connect_error);
}

$sql = "select id, title, author, published_year FROM book";
$result = $conn->query($sql);

if ($result->num_rows > 0) {
    echo "<h1>List of Books </h1>";
    echo "<table border='1'><tr><th>ID</th><th>Title</th><th>Author</th><th>Year</th></tr>";
    while ($row = $result->fetch_assoc()) {
        echo "<tr><td>" . $row["id"] . "</td><td>" . $row["title"] . "</td><td>" . $row["author"] . "</td><td>" . $row["year"] . "</td></tr>";
    }
    echo "</table>";
} else {
    echo "no books found";
}
$conn->close();

```

Step3: Save the PHP file

Step4: Access the web application.

Output:

| ID | Title                 | Author              | Year |
|----|-----------------------|---------------------|------|
| 1  | To Kill a Mockingbird | Harper Lee          | 1960 |
| 2  | 1984                  | George Orwell       | 1949 |
| 3  | The Great Gatsby      | F. Scott Fitzgerald | 1925 |

2) you are tasked with designing a job application form for a company's career page. The form should be user friendly & visually appealing. The form needs to capture the applicant's personal information, including their name, highest qualified degree and gender. Additionally, it should have a "submit" button to send the application and a "cancel" button to reset the form or go back to previous page.

**HTML code:**

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=2.0">
  </head>
  <title>Job Application form</title>
  </head>
  <body>
    <h2>Job Application form</h2>
    <form>
      <label for="name">Full Name</label><br>
      <input type="text" id="name" placeholder="Enter full name" required><br><br>
      <label for="degree">Highest Qualified Degree:</label>
      <select id="degree" name="degree" required>
```

```
<option value = " " > Select your degree : <label><br>
<option value = "highschool" > High school / diploma </options>
<option value = "bachelors" > Bachelor's degree </options>
<option value = "masters" > master's degree </options>
<option value = "Phd" > phd </options>
<select> <br> <br>
<label> Gender : <label><br>
<input type = "radio" id = "male-name" name = "gender" value =
("male" required)
<label for = "male"> male </label> <br>
<input type = "radio" id = "female" name = "gender"
value = "female" required>
<label for = "female"> female </label> <br>
</form>
</body>
</html>
```

### Output:

## Job Application Form

Full name :

Highest Qualified degree :

Gender :

- female
- male

**Submit**

**Cancel**