

A.P. SHAH INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering Data Science



Department of Computer Science and Engineering Data Science

Academic Year: 2023-2024

Semester: V

Class / Branch: CSE(DS)

Subject:WCN

Name of Instructor: Prof.Avni Nair

Name of Student: Krish Jaswal

Student ID: 21107039

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ASSIGNMENT NO. 1

1. Write a code to create an HTML page which will divide a page in two horizontal fragments using frameset tag, each frame should have different background color and different heading.

index.html:

```
<!DOCTYPE html>
<html>
<frameset rows="50%, 50%" border="0">
<frame src="left.html" frameborder="0" scrolling="auto">
<frame src="right.html" frameborder="0" scrolling="auto">
</frameset>
</html>
```

Left.html:



</body> </html>

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```
h1 {
    color: white;
  </style>
 </head>
 <body>
  <h1>Left Frame Heading</h1>
  This is the left frame with a different background color.
 </body>
</html>
Right.html:
<!DOCTYPE html>
<html>
 <head>
  <style>
   body {
    background-color: #99ccff; /* Blue background
color */
    margin: 0;
    padding: 20px;
   h1 {
    color: white;
  </style>
 </head>
 <body>
  <h1>Right Frame Heading</h1>
```

This is the right frame with another background color.



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Left Frame Heading
This is the left frame with a different background color.
Right Frame Heading
This is the right frame with another background color.



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2. Create a XML page storing name, country, runs scored, balls faced for three batsmen. Represent same data as JSON object.

XML

<pre><cricketdata></cricketdata></pre>
<base/>
<base/>
<name>Sachin Tendulkar</name>
<country>India</country>
<pre><runsscored>18426</runsscored></pre> /runsScored>
<ballsfaced>21367</ballsfaced>
>
<base/>
<name>Ricky Ponting</name>
<country>Australia</country>
<pre><runsscored>13704</runsscored></pre> /runsScored>
<ballsfaced>17046</ballsfaced>
>
<hatsman></hatsman>



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```
<name>Brian Lara</name>
   <country>West Indies</country>
   <runsScored>11953/runsScored>
   <ballsFaced>14692</ballsFaced>
    <br/>br></br>
  </batsman>
 </batsmen>
</cricketData>
Output:
 Sachin Tendulkar India 18426 21367
 Ricky Ponting Australia 13704 17046
 Brian Lara West Indies 11953 14692
JSON:
 "cricketData": {
  "batsmen": {
   "batsman": [
```

"name": "Sachin Tendulkar",





```
"country": "India",
 "runsScored": 18426,
 "ballsFaced": 21367
},
 "name": "Ricky Ponting",
 "country": "Australia",
 "runsScored": 13704,
 "ballsFaced": 17046
},
 "name": "Brian Lara",
 "country": "West Indies",
 "runsScored": 11953,
 "ballsFaced": 14692
```



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OUTPUT:

```
▼ object {1}
   ▼ array {1}
      ▼ cricketData {1}

▼ batsmen {1}
             ▼ batsman [3]

▼ 0 {4}

                      name : Sachin Tendulkar
                      country: India
                      runsScored: 18426
                      ballsFaced: 21367
                ▼ 1 {4}
                      name : Ricky Ponting
                      country: Australia
                      runsScored: 13704
                      ballsFaced: 17046
                ▼ 2 {4}
                      name : Brian Lara
                      country: West Indies
                      runsScored: 11953
```

ballsFaced: 14692



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- **3.** Write an external stylesheet and link it with HTML code. The stylesheet should include the following:
- i. the web page will have the background image "img1.jpg".
- ii. The table headings will have red background color.
- iii. Background color of alternate paragraphs are different.
- iv. The hyperlinks on the web page will not have underline.

Code:

```
style.css:
```

```
/* Set background image */
body {
  background-image: url('shrey.jpg');
  background-size: cover;
  background-repeat: no-repeat;
 /* Set red background for table headings */
 table th {
  background-color: white;
  color: white; /* Add white text color for better visibility */
 /* Set different background colors for alternate paragraphs */
 p:nth-child(even) {
  background-color: lightgray;
 p:nth-child(odd) {
  background-color: lightblue;
 /* Remove underline from hyperlinks */
 a {
```

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text-decoration: none;}

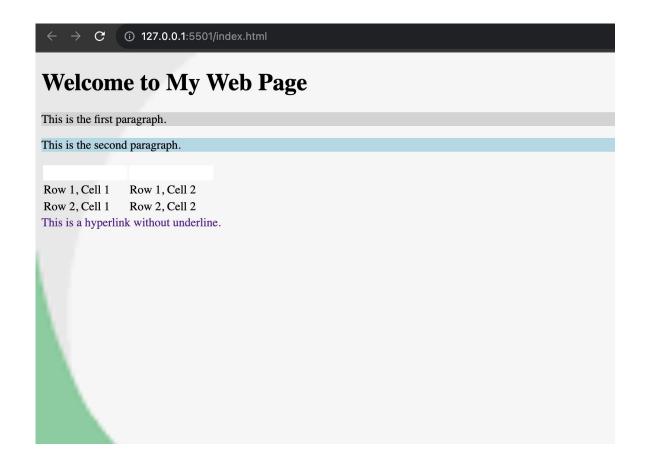
index.html:

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Your Web Page</title>
 <!-- Link the external stylesheet -->
 <link rel="stylesheet" type="text/css" href="style.css">
</head>
<body>
 <h1>Welcome to My Web Page</h1>
 This is the first paragraph.
 This is the second paragraph.
 Table Heading 1
     Table Heading 2
   Row 1, Cell 1
     Row 1, Cell 2
   Row 2, Cell 1
     Row 2, Cell 2
   <a href="#">This is a hyperlink without underline.</a>
</body>
</html>
```



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4. Write a code of bootstrap to create a responsive GitHub sign in page (look alike).

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>GitHub Sign In</title>
  link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap/dist/css/bootstrap.min.css">
</head>
<body>
  <div class="container mt-5">
    <div class="row justify-content-center">
       <div class="col-md-6">
         <div class="card">
            <div class="card-header">
              <h3 class="text-center">Sign In to GitHub</h3>
            </div>
            <div class="card-body">
              <form>
                 <div class="form-group">
                   <label for="username">Username or Email
Address</label>
                   <input type="text" class="form-control" id="username"</pre>
placeholder="Enter your username or email">
                 </div>
                <div class="form-group">
                   <label for="password">Password</label>
```





```
<input type="password" class="form-control"</pre>
id="password" placeholder="Enter your password">
                </div>
                <div class="form-group form-check">
                  <input type="checkbox" class="form-check-input"</pre>
id="rememberMe">
                  <label class="form-check-label"</pre>
for="rememberMe">Remember me</label>
                </div>
                <button type="submit" class="btn btn-primary btn-</pre>
block">Sign In</button>
             </form>
           </div>
           <div class="card-footer">
             New to GitHub? <a href="#">Create an
account</a>
             <a href="#">Forgot
password?</a>
           </div>
         </div>
       </div>
    </div>
  </div>
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <script
src="https://cdn.jsdelivr.net/npm/bootstrap/dist/js/bootstrap.min.js"></script>
</body>
</html>
```



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Sign In to GitHub
Username or Email Address
Enter your username or email
Password
Enter your password
Remember me Sign In
New to GitHub? Create an account
Forgot password?



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5. Create a bootstrap code to create alerts of different types and add navbar with titles as Home, Link, More, Options.

Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Bootstrap Alerts and Navbar</title>
  <!-- Add Bootstrap CSS CDN link here -->
  link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
">
</head>
<body>
<!-- Navigation Bar -->
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Home</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse"</pre>
data-target="#navbarNav" aria-controls="navbarNav" aria-expanded="false"
aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
```





```
</button>
  <div class="collapse navbar-collapse" id="navbarNav">
    ul class="navbar-nav">
       class="nav-item">
         <a class="nav-link" href="#">Link</a>
       class="nav-item">
         <a class="nav-link" href="#">More</a>
       class="nav-item">
         <a class="nav-link" href="#">Options</a>
       </div>
</nav>
<!-- Bootstrap Alerts -->
<div class="container mt-4">
  <div class="alert alert-primary" role="alert">
    This is a primary alert.
  </div>
  <div class="alert alert-secondary" role="alert">
    This is a secondary alert.
```



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```
</div>
   <div class="alert alert-success" role="alert">
      This is a success alert.
   </div>
   <div class="alert alert-danger" role="alert">
     This is a danger alert.
   </div>
   <div class="alert alert-warning" role="alert">
     This is a warning alert.
   </div>
   <div class="alert alert-info" role="alert">
      This is an info alert.
   </div>
   <div class="alert alert-light" role="alert">
     This is a light alert.
   </div>
   <div class="alert alert-dark" role="alert">
      This is a dark alert.
   </div>
</div>
<!-- Add Bootstrap JS CDN link and jQuery CDN link here -->
<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>
```



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<script

src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.3/dist/umd/popper.mi
n.js"></script>

<script

src="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

</body>

</html>

