(CSW) Assignment-4

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Section:-23412G1

Q1) Design a responsive webpage using Bootstrap grids: Create a layout with four rows, each styled with a solid border and a light green background.

i. First row: Divide into two equal columns for extra small screen sizes (<576px).

ii. Second row: Divide into three equal columns for extra small screen sizes (<576px).

iii. Third row: Divide into four equal columns for small screen sizes (≥576px).

iv. Fourth row: Divide into six equal columns for medium screen sizes (≥768px).

CODE:-

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Ahab Anwer,2341001097 Assignment-4,Q-1</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
  <style>
   .row >div{
     border: 2px solid #000;
     background-color: lightgreen;
     margin-bottom: 10px;
   }
body{text-align:center;}
   </style>
```

```html
</head>
<body>
<h1>Bootstrap Grids</h1>
<br><br>
  <div class="container">
<h2>First Row:</h1>
     <div class="row">
    <div class="col-6">Column 1</div>
    <div class="col-6">Column 2</div>
   </div>

   <h2>Second Row:</h2>
   <div class="row">
    <div class="col-4">Column 1</div>
    <div class="col-4">Column 2</div>
    <div class="col-4">Column 3</div>
   </div>

   <h2>Third Row</h2>
   <div class="row">
    <div class="col-sm-3">Column 1</div>
    <div class="col-sm-3">Column 2</div>
    <div class="col-sm-3">Column 3</div>
    <div class="col-sm-3">Column 4</div>
   </div>

   <h2>Fourth Row</h2>
   <div class="row">
    <div class="col-md-2">Column 1</div>
```

```html
    <div class="col-md-2">Column 2</div>

    <div class="col-md-2">Column 3</div>

    <div class="col-md-2">Column 4</div>

    <div class="col-md-2">Column 5</div>

    <div class="col-md-2">Column 6</div>

  </div>

 </div>

</body>

</html>
```
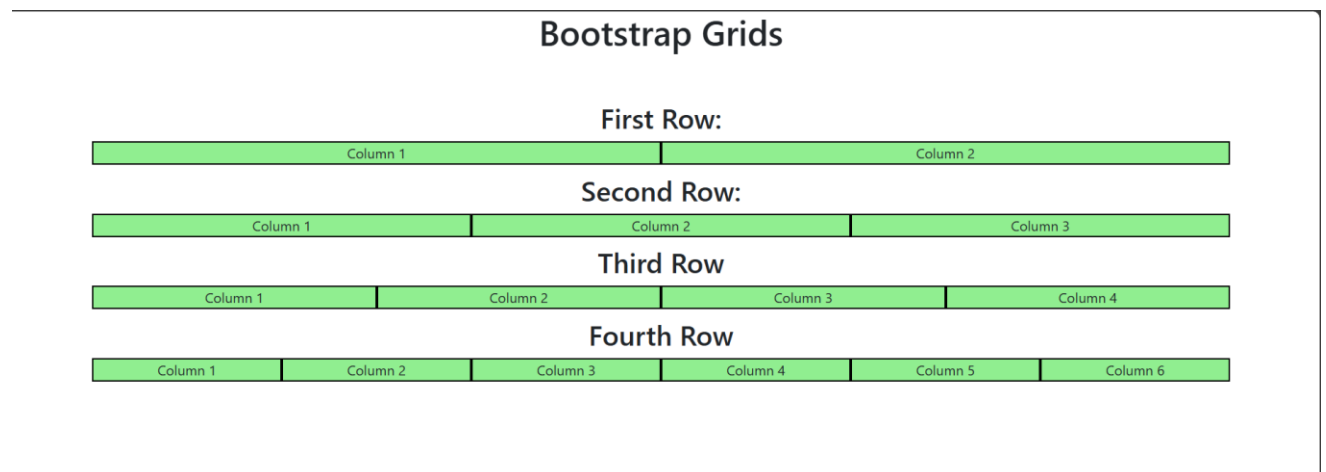
OUTPUT:-

Q2) Apply different Bootstrap background colors (e.g., bg-primary, bg-success, etc.) and text colors (e.g., text-white, text-dark, etc.) to each column created in Q1.

CODE:-

```html
<html>

<head>

 <meta charset="UTF-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <title>Ahab Anwer,2341001097 Assignment-4,Q-2</title>

 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
```

```html
<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/js/bootstrap.bundle.min.js"></script>
  <style>
.mod{border:2px solid black;
background-color:lightgreen;
}

body{text-align:center;}
    </style>
</head>
<body>
<h1>Bootstrap Grids</h1>
<br><br>
  <div class="container text-center">
<h2>First Row:</h1>
    <div class="row">
    <div class="col-6 mod bg-primary text-dark">Column 1</div>
    <div class="col-6 mod bg-success text-white">Column 2</div>
   </div>

   <h2>Second Row:</h2>
   <div class="row">
    <div class="col-4 mod bg-info text-white">Column 1</div>
    <div class="col-4 mod bg-dark text-white">Column 2</div>
    <div class="col-4 mod bg-danger text-white">Column 3</div>
   </div>

   <h2>Third Row</h2>
   <div class="row">
```

```
    <div class="col-sm-3 mod bg-success text-white">Column 1</div>

    <div class="col-sm-3 mod bg-warning text-white">Column 2</div>

    <div class="col-sm-3 mod bg-secondary text-white">Column 3</div>

    <div class="col-sm-3 mod bg-primary text-white">Column 4</div>

  </div>


  <h2>Fourth Row</h2>

  <div class="row">

   <div class="col-md-2 mod bg-primary text-white">Column 1</div>

   <div class="col-md-2 mod bg-secondary text-white">Column 2</div>

   <div class="col-md-2 mod bg-info text-white">Column 3</div>

   <div class="col-md-2 mod bg-warning text-white">Column 4</div>

   <div class="col-md-2 mod bg-danger text-white">Column 5</div>

   <div class="col-md-2 mod bg-dark text-white">Column 6</div>

  </div>

 </div>

</body>

</html>
```
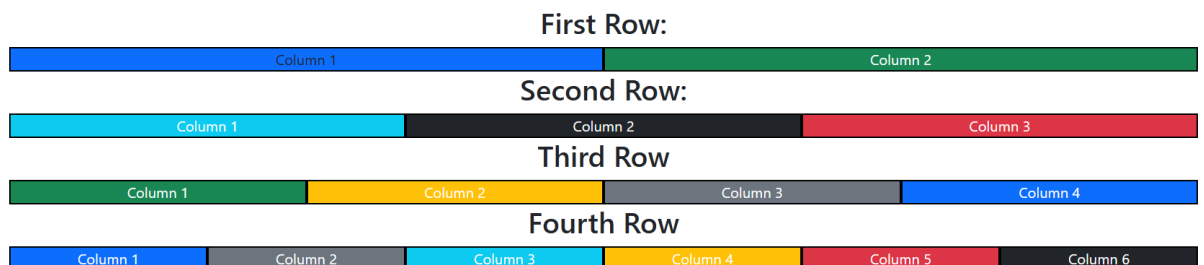
OUTPUT:-

Bootstrap Grids

First Row:

| Column 1 | Column 2 |

Second Row:

| Column 1 | Column 2 | Column 3 |

Third Row

| Column 1 | Column 2 | Column 3 | Column 4 |

Fourth Row

| Column 1 | Column 2 | Column 3 | Column 4 | Column 5 | Column 6 |

Q3) Create a grid with three equal-sized columns, each containing an image styled as a thumbnail and set to a size of 200x200 pixels. Add a button that, when clicked, changes the thumbnail image style to a circular image.

CODE:-

```html
<html >
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-width, initial-scale=1.0">
 <title>Ahab Anwer,2341001097,Assignment-4,Q-3</title>
 <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css" rel="stylesheet">
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
 <script>
  $(document).ready(function() {
   $("#btn1").click(function() {
    $("img").addClass("rounded-circle");
   });
  });
 </script>
</head>
<body>
 <div class="container text-center mt-5">
  <div class="row">
   <!-- Image Column 1 -->
   <div class="col">
    <img src="https://www.automotiverhythms.com/wp-content/uploads/2023/04/2024-Nissan-GT-R-2023-New-York-Auto-Show.jpg"
      alt="Thumbnail 1"
      class="img-thumbnail"
      id="image1"
      style="width: 200px; height: 200px;">
   </div>
   <!-- Image Column 2 -->
```

```html
    <div class="col">

      <img src="https://www.automobilemag.com/uploads/sites/11/2019/11/Los-Angeles-Auto-Show-Cool-Cars-104.jpg"

        alt="Thumbnail 2"

        class="img-thumbnail"

        id="image2"

        style="width: 200px; height: 200px;">

    </div>

    <!-- Image Column 3 -->

    <div class="col">

      <img src="https://discover.luxury/wp-content/uploads/2018/02/LA-Auto-Show.jpg"

        alt="Thumbnail 3"

        class="img-thumbnail"

        id="image3"

        style="width: 200px; height: 200px;">

    </div>

   </div>

   <button id="btn1" class="btn btn-primary mt-3">Make Images Circular</button>

  </div>

</body>

</html>
```

OUTPUT:-

Make Images Circular

Q4) Create six different types of alert boxes, each with an appropriate link, a closing button, and a suitable emphasized message. Add animated effects to each alert box with a 5 second transition effect.

CODE:-

```
<html>
<head>
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>Ahab Anwer,2341001097,Assignment-4,Q-4</title>
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
<script>
$(document).ready(function(){
$(".container").mouseenter(function(){
 $(".alert").fadeOut(5000);
})
})
</script>
</head>
<body style="text-align:center">
<h1>Bootstrap fading alerts</h1>
```

```html
<br>

<br>

<div class="container">

        <div class="alert alert-success alert-dismissible fade show"><strong>Success
!</strong>To Visit Dubai Auto Expo Show.<button type="button"
class="close">&times;</button><a
href="https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>

        </div>

<div class="alert alert-info alert-dismissible"><strong>Info !</strong> About the Dubai Auto
Expo.

        <button type="button" class="close">&times;</button><a
href="https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>

        </div>

        <div class="alert alert-warning"><strong>Warning !</strong>Touching Cars are not
permissable

        <button type="button" class="close">&times;</button><a
href=https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>

        </div>

        <div class="alert alert-danger"><strong>Danger !</strong>Dont come in contact
with nitro cylinders.<button class="close">&times;</button><a
href="https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>

        </div>

        <div class="alert alert-primary"><strong>Primary !</strong>Permit is neccessary for
entry.

        <button class="close">&times;</button><a
href="https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>

        </div>

        <div class="alert alert-secondary"><strong>Secondary</strong>Anything on display
is not for sales.
```

```html
        <button class="close">&times;</button><a
href="https://tradeshows.tradeindia.com/automechanika-dubai/" class="alert-link">Read
More</a>


        </div>

        </div>

</body>

</html>
```
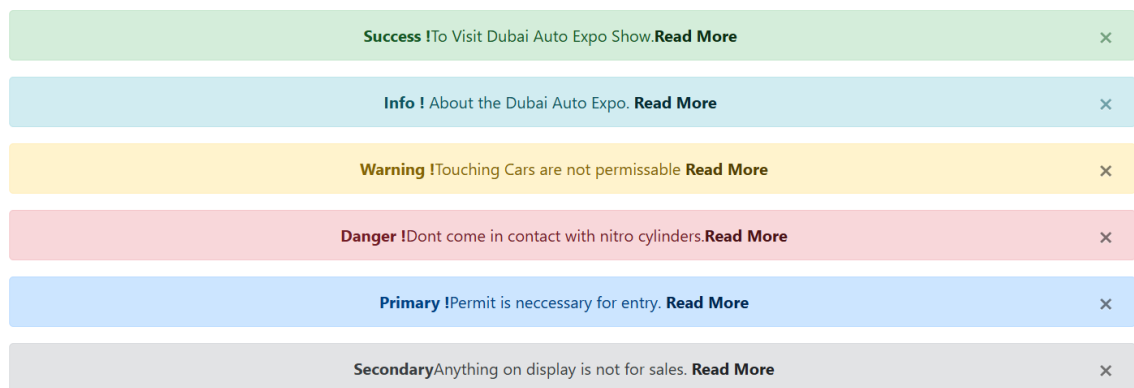
OUTPUT:-

Bootstrap fading alerts

Success !To Visit Dubai Auto Expo Show.**Read More**	×
Info ! About the Dubai Auto Expo. **Read More**	×
Warning !Touching Cars are not permissable **Read More**	×
Danger !Dont come in contact with nitro cylinders.**Read More**	×
Primary !Permit is neccessary for entry. **Read More**	×
SecondaryAnything on display is not for sales. **Read More**	×

Q5) Create a nested dropdown menu with multiple levels. The button group should have four primary categories, such as 'Category 1', 'Category 2', etc., with each category containing four subcategories, such as 'Subcategory 1', 'Subcategory 2', etc. Implement the structure using <div> elements with the class btn group for the categories. Include dropdowns for each subcategory using the class dropdown-toggle and dropdown-menu. The dropdown items should be links (<a>) with the class dropdown-item for each option.

CODE:-

```html
<html>

<head>

 <meta charset="UTF-8">

 <meta name="viewport" content="width=device-width, initial-scale=1.0">

 <title>Ahab Anwer,2341001097,Assignmnet-4,Q-5</title>
```

```html
<link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>

 <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js"></script>

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

<style>

  .dropdown-submenu {

   position: relative;

  }

.dropdown-submenu>.dropdown-menu {

   top: 50px;

  margin-top: -5px;

   margin-left: 1px;

   border-radius: 0.25rem;

  }

.dropdown:hover .dropdown-menu {

   display: block;

  }

.dropdown-submenu:hover>.dropdown-menu {

   display: block;

  }

 </style>

</head>

<body style="font-family:arial;">

<div class="container mt-4">

  <h1 class="display-5" style="text-align: center;">Nested Dropdown Menu</h1>

  <h6 style="text-align: center;">Explore Categories with subcategories using a dropdown
menu</h6>

  <br>
```

```html
<div style="text-align: center;">
  <div class="btn-group">
    <button type="button" class="btn btn-primary dropdown-toggle" data-toggle="dropdown" aria-haspopup="true"
      aria-expanded="false">
      Category 1
    </button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Subcategory 1.1</a>
      <a class="dropdown-item" href="#">Subcategory 1.2</a>
      <div class="dropdown-submenu">
        <a class="dropdown-item dropdown-toggle" href="#">Subcategory 1.3</a>
        <div class="dropdown-menu">
          <a class="dropdown-item" href="#">Option 1.3.1</a>
          <a class="dropdown-item" href="#">Option 1.3.2</a>
        </div>
      </div>
    </div>
  </div>
<div class="btn-group ml-2">
    <button type="button" class="btn btn-secondary dropdown-toggle" data-toggle="dropdown" aria-haspopup="true"
      aria-expanded="false">
      Category 2
    </button>
    <div class="dropdown-menu">
      <a class="dropdown-item" href="#">Subcategory 2.1</a>
      <a class="dropdown-item" href="#">Subcategory 2.2</a>
<div class="dropdown-submenu">
        <a class="dropdown-item dropdown-toggle" href="#">Subcategory 2.3</a>
```

```
        <div class="dropdown-menu">

          <a class="dropdown-item" href="#">Option 2.3.1</a>

          <a class="dropdown-item" href="#">Option 2.3.2</a>

        </div>

      </div>

    </div>

  </div>

<div class="btn-group ml-2">

    <button type="button" class="btn btn-success dropdown-toggle" data-
toggle="dropdown" aria-haspopup="true"

      aria-expanded="false">

      Category 3

    </button>

    <div class="dropdown-menu">

      <a class="dropdown-item" href="#">Subcategory 3.1</a>

      <a class="dropdown-item" href="#">Subcategory 3.2</a>

      <div class="dropdown-submenu">

        <a class="dropdown-item dropdown-toggle" href="#">Subcategory 3.3</a>

        <div class="dropdown-menu">

          <a class="dropdown-item" href="#">Option 3.3.1</a>

          <a class="dropdown-item" href="#">Option 3.3.2</a>

        </div>

      </div>

    </div>

  </div>

<div class="btn-group ml-2">

    <button type="button" class="btn btn-danger dropdown-toggle" data-
toggle="dropdown" aria-haspopup="true"

      aria-expanded="false">

      Category 4
```

```
    </button>

    <div class="dropdown-menu">

     <a class="dropdown-item" href="#">Subcategory 4.1</a>

     <a class="dropdown-item" href="#">Subcategory 4.2</a>

<div class="dropdown-submenu">

       <a class="dropdown-item dropdown-toggle" href="#">Subcategory 4.3</a>

       <div class="dropdown-menu">

        <a class="dropdown-item" href="#">Option 4.3.1</a>

        <a class="dropdown-item" href="#">Option 4.3.2</a>

       </div>

      </div>

     </div>

    </div>

   </div>

  </div>

</body>

</html>
```
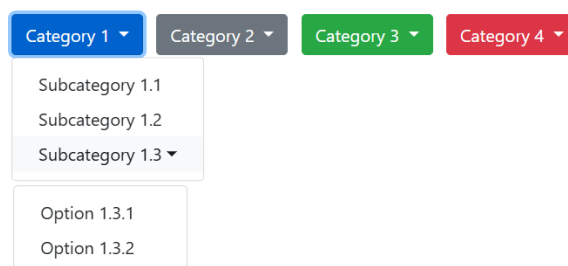
OUTPUT:-

___

Q6) Create a webpage with four animated progress bars using Bootstrap, applying the progress-bar-striped and progress-bar-animated classes, each with a different background color. The progress bars should initially be hidden and only appear when the user clicks the

'Upload File' button. Implement a function that gradually increases the width of each progress bar from 0% to 100%, with a 1% increment every 100 milliseconds. Use jQuery to control the display and animation of the progress bars, ensuring they fill sequentially.

CODE:-

```html
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Ahab Anwer, 2341001097, Assignment-4, Q-6</title>
    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
    <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>
    <script>
        $(document).ready(function () {
            // Button click event
            $('#uploadButton').click(function () {
                $('#progressContainer').fadeIn();
                animateProgressBars();
            });

            function animateProgressBars() {
                let progressBar1 = $('#progressBar1');
                let progressBar2 = $('#progressBar2');
                let progressBar3 = $('#progressBar3');
                let progressBar4 = $('#progressBar4');

                animateSingleProgressBar(progressBar1, 0, function () {
                    animateSingleProgressBar(progressBar2, 0, function () {
                        animateSingleProgressBar(progressBar3, 0, function () {
```

```
                animateSingleProgressBar(progressBar4, 0);

            });

        });

    });

    }


    function animateSingleProgressBar(progressBar, progress, callback) {

        let interval = setInterval(function () {

            if (progress < 100) {

                progress++;

                progressBar.css('width', progress + '%').attr('aria-valuenow', progress);

            } else {

                clearInterval(interval);

                if (callback) callback();

            }

        }, 70);

    }

    });

</script>

<style>

    .progress-container {

        display: none;

    }

</style>

</head>

<body>

<div class="container mt-5">

    <h3 class="text-center">Upload Files Here!!</h3>

    <div class="text-center mt-4">
```

```html
        <button id="uploadButton" class="btn btn-primary">Upload File</button>
    </div>
    <div id="progressContainer" class="progress-container mt-4">
        <div class="progress mb-2">
            <div id="progressBar1" class="progress-bar progress-bar-striped progress-bar-animated bg-primary" style="width: 0%;" role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
        </div>
        <div class="progress mb-2">
            <div id="progressBar2" class="progress-bar progress-bar-striped progress-bar-animated bg-success" style="width: 0%;" role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
        </div>
        <div class="progress mb-2">
            <div id="progressBar3" class="progress-bar progress-bar-striped progress-bar-animated bg-warning" style="width: 0%;" role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
        </div>
        <div class="progress mb-2">
            <div id="progressBar4" class="progress-bar progress-bar-striped progress-bar-animated bg-danger" style="width: 0%;" role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
        </div>
    </div>
</div>
</body>
</html>
```

OUTPUT:-

Upload Files Here!!

Upload File

Q7) Create four HTML pages, each containing a Bootstrap header with a color class of your choice and centered alignment. Add pagination to each page, linking them to the corresponding HTML pages. Use the proper attribute to open the page in a new blank tab. Ensure that the active class changes to reflect the current page.

CODE:-

```html
<html >
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Ahab Anwer, 2341001097, Assignment-4, Q-7 part-1</title>
   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
   <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
   <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>
   <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
</head>
<body>
<div class="container mt-4">
   <div class="card">
      <div class="card-header bg-info text-white">HTML PAGE 1</div>
      <div class="card-body text-center">
         <p>This is the content of Page 1.</p>
```

```html
    <img src="https://th.bing.com/th/id/R.6cbb29986ed55dbb0c94ce68a218cb1e?rik=p7AukGdvaHcFPA&riu=http%3a%2f%2fwww.pixelstalk.net%2fwp-content%2fuploads%2f2016%2f11%2fSupercars-Ferrari-Laferrari-Backgrounds-3840x2560.jpg&ehk=xcam%2fzTi0dpGJCM4TWHo42%2bBnzu5fElPnOyrUENSKA4%3d&risl=&pid=ImgRaw&r=0"
            alt="Ferrari La Ferrari" class="img-fluid my-4" style="max-width: 100%; height: auto; border: 2px solid #ccc; padding: 15px;">
    </div>
  </div>
  <ul class="pagination pagination-lg justify-content-center mt-4">
    <li class="page-item"><a class="page-link" href="T4.html" target="_blank">Prev</a></li>
    <li class="page-item active"><a class="page-link" href="T1.html" target="_blank">1</a></li>
    <li class="page-item"><a class="page-link" href="T2.html" target="_blank">2</a></li>
    <li class="page-item"><a class="page-link" href="T3.html" target="_blank">3</a></li>
    <li class="page-item"><a class="page-link" href="T4.html" target="_blank">4</a></li>
    <li class="page-item"><a class="page-link" href="T2.html" target="_blank">Next</a></li>
  </ul>
</div>
</body>
</html>
PART-2
<html>
<head>
<title> Ahab Anwer, 2341001097, Assignment-4, Q-7 part-2</title>
<meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
```

```html
<script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
</head>


<body>
<div class="container">
<div class="card">
<div class="card-header bg-info text-white">HTML PAGE 2</div>
    <div class="card-body text-center">
      <p>This is the content of Page 2.</p>
      <img src="https://th.bing.com/th/id/OIP.69dEpdegCT8I-zD6aUVxCAHaFM?w=1280&h=897&rs=1&pid=ImgDetMain"
          alt="BMW M5" class="img-fluid my-4" style="max-width: 100%; height: auto; border: 2px solid #ccc; padding: 15px;">
</div>
  </div>



<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="T1.html" target="_blank"> Prev </a> </li>
<li class="page-item "><a class="page-link" href="T1.html" target="_blank"> 1 </a> </li>
<li class="page-item active"><a class="page-link" href="T2.html" target="_blank"> 2 </a> </li>
<li class="page-item"><a class="page-link" href="T3.html" target="_blank"> 3 </a> </li>
<li class="page-item"><a class="page-link" href="T4.html" target="_blank"> 4 </a> </li>
<li class="page-item"><a class="page-link" href="T3.html" target="_blank"> Next </a> </li>


</body>
```

</html>

PART-3

```html
<head>
<title> Ahab Anwer, 2341001097, Assignment-4, Q-7 part-3</title>
<meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
</head>


<body>
<div class="container">
<div class="card-header bg-info text-white">HTML PAGE 3</div>
    <div class="card-body text-center">
      <p>This is the content of Page 3.</p>
      <img src="https://wallpapercrafter.com/desktop/76908-porsche-911-porsche-carrera-porsche-cars-2019-cars-hd-4k-yellow.jpg"
           alt="Porsche 911" class="img-fluid my-4" style="max-width: 100%; height: auto;
border: 2px solid #ccc; padding: 15px;">
</div>
  </div>


<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="T1.html" target="_blank"> Prev </a> </li>
<li class="page-item "><a class="page-link" href="T1.html" target="_blank"> 1 </a> </li>
<li class="page-item "><a class="page-link" href="T2.html" target="_blank"> 2 </a> </li>
```

```html
<li class="page-item active"><a class="page-link" href="T3.html" target="_blank"> 3 </a> </li>

<li class="page-item"><a class="page-link" href="T4.html" target="_blank"> 4 </a> </li>

<li class="page-item"><a class="page-link" href="T3.html" target="_blank"> Next </a> </li>




</body>

</html>
```

PART-4

```html
<html>

<head>

<title> Ahab Anwer, 2341001097, Assignment-4, Q-7 part-4</title>

<meta charset="utf-8">

 <meta name="viewport" content="width=device-width, initial-scale=1">

 <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">

 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>

<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>

 <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>

</head>

<body>

<div class="container">

<div class="card">

<div class="card-header bg-info text-white">HTML PAGE 4</div>

    <div class="card-body text-center">

      <p>This is the content of Page 4.</p>

      <img src="https://i.redd.it/zt2eeq5afu851.jpg"

        alt="Mazda RX-7" class="img-fluid my-4" style="max-width: 100%; height: auto;
border: 2px solid #ccc; padding: 15px;">
```

</div>

</div>

<ul class="pagination pagination-lg">

<li class="page-item"> Prev

<li class="page-item "> 1

<li class="page-item "> 2

<li class="page-item "> 3

<li class="page-item active"> 4

<li class="page-item"> Next

</body>

</html>

OUTPUT:-

HTML PAGE 1

This is the content of Page 2.

HTML PAGE 3

This is the content of Page 3.

HTML PAGE 1

This is the content of Page 4.

Q8) Design a tutorial webpage for HTML using the following Bootstrap components: jumbotron, navbar, nav tabs, nav pills, and pagination.

CODE:-

```html
<html>
<head>
    <meta charset="UTF-8">
<title>Ahab Anwer, 2341001097, Assignment-4, Q-8</title>
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
  </head>
<body>
  <div class="jumbotron text-center bg-dark text-white">
    <h1 class="display-4">HTML Tutorial webpage</h1>
    <p class="lead">Learn the basics of HTML with this tutorial. </p>
    <hr class="my-4">
    <p>Start exploring the sections below:</p>
  </div>
<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#">HTML Tutorial</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse" 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">
```

```html
    <ul class="navbar-nav">

      <li class="nav-item active">

        <a class="nav-link" href="#">Home <span class="sr-only">(current)</span></a>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="#section1">Basics</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="#section2">Elements</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" href="#section3">Attributes</a>

      </li>

    </ul>

  </div>

</nav>
<div class="container mt-5">

    <ul class="nav nav-tabs" id="tutorialTab" role="tablist">

      <li class="nav-item">

        <a class="nav-link active" id="section1-tab" data-toggle="tab" href="#section1"
role="tab" aria-controls="section1" aria-selected="true">Basics</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" id="section2-tab" data-toggle="tab" href="#section2"
role="tab" aria-controls="section2" aria-selected="false">Elements</a>

      </li>

      <li class="nav-item">

        <a class="nav-link" id="section3-tab" data-toggle="tab" href="#section3"
role="tab" aria-controls="section3" aria-selected="false">Attributes</a>

      </li>
```

```html
    </ul>
<div class="tab-content mt-3" id="tutorialTabContent">
    <div class="tab-pane fade show active" id="section1" role="tabpanel" aria-labelledby="section1-tab">
        <h3>Understanding the Basics of HTML</h3>
        <p>HTML stands for HyperText Markup Language. It is the standard markup language for creating web pages. HTML elements are the building blocks of web pages, and they are used to structure content such as headings, paragraphs, links, and images.</p>
    </div>
<div class="tab-pane fade" id="section2" role="tabpanel" aria-labelledby="section2-tab">
        <h3>HTML Elements</h3>
        <p>HTML elements represent the content of a webpage. Each element typically has an opening tag, content, and a closing tag. Some common elements include:</p>
        <ul>
            <li><strong>&lt;h1&gt;</strong> to <strong>&lt;h6&gt;</strong> for headings</li>
            <li><strong>&lt;p&gt;</strong> for paragraphs</li>
            <li><strong>&lt;a&gt;</strong> for links</li>
            <li><strong>&lt;img&gt;</strong> for images</li>
        </ul>
    </div>



    <div class="tab-pane fade" id="section3" role="tabpanel" aria-labelledby="section3-tab">
        <h3>HTML Attributes</h3>
        <p>Attributes provide additional information about HTML elements. They are placed inside the opening tag and are written as a name-value pair. For example:</p>
        <pre>&lt;a href="https://www.example.com"&gt;Visit Example&lt;/a&gt;</pre>
        <p>In this example, the <code>href</code> attribute specifies the URL of the link.</p>
    </div>
```

```html
        </div>
    </div>
<div class="container mt-5">
    <h4>HTML Topics</h4>
    <ul class="nav nav-pills">
        <li class="nav-item">
            <a class="nav-link active" id="htmlIntroduction" data-toggle="pill" href="#introduction">Introduction</a>
        </li>
        <li class="nav-item">
            <a class="nav-link" id="htmlSyntax" data-toggle="pill" href="#syntax">Syntax</a>
        </li>
        <li class="nav-item">
            <a class="nav-link" id="htmlFormatting" data-toggle="pill" href="#formatting">Formatting</a>
        </li>
    </ul>
    <div class="tab-content mt-3">
        <div class="tab-pane fade show active" id="introduction">
            <p>HTML is the foundation of the web. It defines the structure of web pages and allows you to add various types of content.</p>
        </div>
        <div class="tab-pane fade" id="syntax">
            <p>HTML syntax is straightforward, consisting of elements surrounded by angle brackets, such as <code>&lt;html&gt;</code>, <code>&lt;head&gt;</code>, and <code>&lt;body&gt;</code>.</p>
        </div>
        <div class="tab-pane fade" id="formatting">
            <p>HTML allows you to format text using tags like <code>&lt;b&gt;</code>, <code>&lt;i&gt;</code>, <code>&lt;strong&gt;</code>, and <code>&lt;em&gt;</code>.</p>
        </div>
```

```html
        </div>
    </div>


    <div class="container mt-5">
        <nav aria-label="Page navigation example">
            <ul class="pagination justify-content-center">
                <li class="page-item">
                    <a class="page-link" href="#" aria-label="Previous">
                        <span aria-hidden="true">&laquo;</span>
                    </a>
                </li>
                <li class="page-item active">
                    <a class="page-link" href="#">1</a>
                </li>
                <li class="page-item">
                    <a class="page-link" href="#">2</a>
                </li>
                <li class="page-item">
                    <a class="page-link" href="#">3</a>
                </li>
                <li class="page-item">
                    <a class="page-link" href="#" aria-label="Next">
                        <span aria-hidden="true">&raquo;</span>
                    </a>
                </li>
            </ul>
        </nav>
    </div>
```
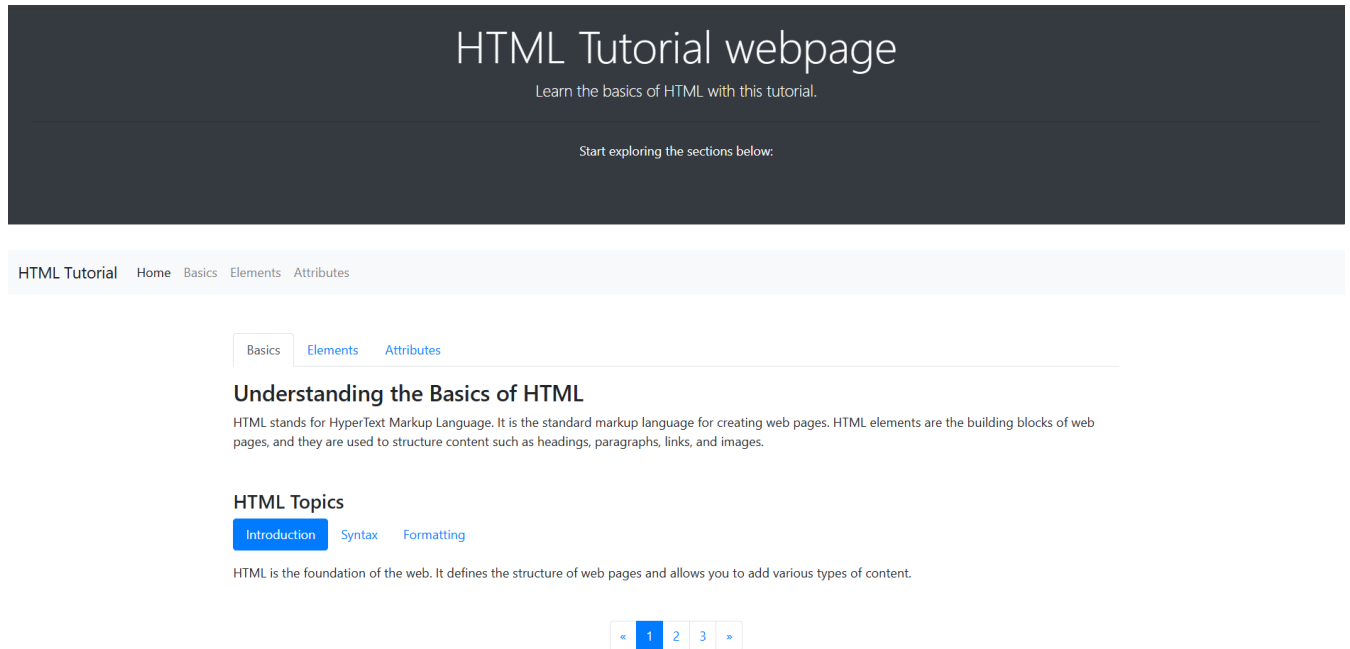
</body>

</html>

OUTPUT:-

Q9) Design a New Year card gallery using Bootstrap cards. Each card should include a description, an image, and a link at the bottom, as shown below. You may add additional properties to enhance the appearance and create a visually appealing design.

CODE:-

```html
<html >

<head>

  <meta charset="UTF-8">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Ahab Anwer,2341001097,Assignment-4,Q-9</title>

  <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

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

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

```css
<style>
    .card {
        border: none;
        border-radius: 10px;
        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
        transition: transform 0.3s ease-in-out;
    }
    .card:hover {
        transform: translateY(-10px);
        box-shadow: 0 10px 20px rgba(0, 0, 0, 0.2);
    }
    .card-img-top {
        border-radius: 10px 10px 0 0;
        height: 200px;
        width: 100%;
        object-fit: cover;
    }
    .card-body {
        background-color: #f8f9fa;
        padding: 1.5rem;
    }
    .card-title {
        font-size: 1.5rem;
        font-weight: bold;
    }
    .card-text {
        font-size: 1rem;
        margin-bottom: 1.5rem;
    }
```

```css
.btn-primary {

        background-color: #007bff;

        border-color: #007bff;

    }

.btn-primary:hover {

        background-color: #0056b3;

        border-color: #0056b3;

    }

.card-columns {

        column-count: 3;

        column-gap: 1.5rem;

    }

   </style>

</head>

<body>

   <div class="container py-5">

     <h1 class="text-center mb-4">The Car Gallery</h1>

     <div class="card-columns">

<!-- Card 1 -->

        <div class="card">

          <img src="https://s1.cdn.autoevolution.com/images/gallery/FERRARI-LaFerrari-4797_29.jpeg" class="card-img-top" alt="Card image 1">

          <div class="card-body">

            <h5 class="card-title">Ferrari La Ferrari</h5>

            <p class="card-text">The Elegant Car ever made by Ferrari currently discontinued</p>

            <a href="#" class="btn btn-primary">Explore</a>

          </div>

        </div>

 <!-- Card 2 -->
```

```html
        <div class="card">

            <img
src="https://th.bing.com/th/id/OIP.lhEbYwOcsd9shXJBhLHxbwHaE8?rs=1&pid=ImgDetMain
" class="card-img-top" alt="Card image 2">

            <div class="card-body">

                <h5 class="card-title">Mercedes SLR McLaren</h5>

                <p class="card-text">A timeless masterpiece created by Mercedes in
collaboration with McLaren</p>

                <a href="#" class="btn btn-primary">Explore</a>

            </div>

        </div>
 <!-- Card 3 -->
        <div class="card">

            <img src="https://i.redd.it/zt2eeq5afu851.jpg" class="card-img-top" alt="Card
image 3">

            <div class="card-body">

                <h5 class="card-title">Mazda RX-7</h5>

                <p class="card-text">A Japanese beauty built to surpass limits with its Rotary
engine</p>

                <a href="#" class="btn btn-primary">Explore</a>

            </div>

        </div>
<!-- Card 4 -->
        <div class="card">

            <img src="https://external-
preview.redd.it/r0C6UuDb2YzW1sib55xux5V_78HpFrC8g6ziFPOJhQc.jpg?auto=webp&s=916
ebf68da963eac3be39d33f32c7e63eb635c44" class="card-img-top" alt="Card image 4">

            <div class="card-body">

                <h5 class="card-title">Nissan GTR R-34</h5>

                <p class="card-text">A beast powered by the RB-26 engine, earning the title of
GODZILLA</p>

                <a href="#" class="btn btn-primary">Explore</a>
```

```html
        </div>

      </div>

<!-- Card 5 -->

      <div class="card">

        <img
src="https://th.bing.com/th/id/R.76192eeccd8e7368be14a15b623f68aa?rik=G3bKGBsJ979j
TQ&riu=http%3a%2f%2fmasbukti.com%2fmanufacturers%2fporsche%2fporsche-
911%2f2016-porsche-911-spyder%2f2016-porsche-911-spyder-
4.jpg&ehk=8PCiw1rvviYoowJaDZi8K7Jh%2b4YtXst6aR3vTVpQiiM%3d&risl=&pid=ImgRaw&r
=0" class="card-img-top" alt="Card image 5">

        <div class="card-body">

          <h5 class="card-title">Porsche 911 Spyder</h5>

          <p class="card-text">A car with raw German power, challenging even the most
skilled drivers</p>

          <a href="#" class="btn btn-primary">Explore</a>

        </div>

      </div>

<!-- Card 6 -->

      <div class="card">

        <img src="https://photo-voiture.motorlegend.com/hd/bugatti-chiron-w16-
117332.jpg" class="card-img-top" alt="Card image 6">

        <div class="card-body">

          <h5 class="card-title">Bugatti Chiron Supersport</h5>

          <p class="card-text">The 2017 world record holder, powered by its massive W16
engine</p>

          <a href="#" class="btn btn-primary">Explore</a>

        </div>

      </div>


    </div>

  </div>

</body>
```
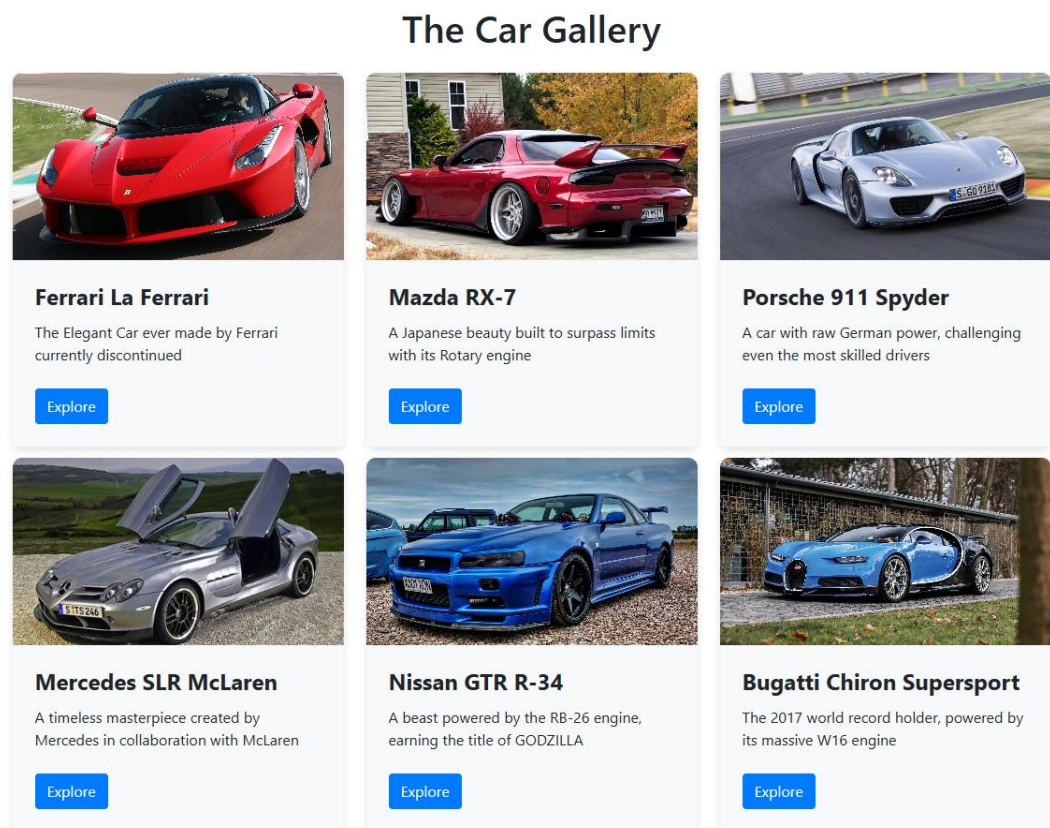
</html>

OUTPUT :-

The Car Gallery

Q10) Design a slideshow featuring five historical monuments of India, including captions and descriptions for each, using a Bootstrap carousel.

CODE:-

```html
<html>
<head>
 <title> Ahab Anwer,2341001097,Assignment-4,Q-10</title>
 <meta charset="utf-8">
 <meta name="viewport" content="width=device-width, initial-scale=1">
 <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.2.1/css/bootstrap.min.css">
 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
 <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.6/umd/popper.min.js"></script>
```

```html
    <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js"></script>
  <style>
   .carousel-inner img {
    width: 100%;
    height: 100%;
   }
  </style>
</head>
<body>
<h1 style="text-align:center">India Historical Places</h1>
  <div id="demo" class="carousel slide" data-ride="carousel">
   <ul class="carousel-indicators">
    <li data-target="#demo" data-slide-to="0" class="active"></li>
    <li data-target="#demo" data-slide-to="1"></li>
    <li data-target="#demo" data-slide-to="2"></li>
    <li data-target="#demo" data-slide-to="3"></li>
   </ul>
   <div class="carousel-inner">
    <div class="carousel-item active">
     <img src="https://assets-news.housing.com/news/wp-
content/uploads/2022/07/20202710/10-famous-historical-places-in-India.jpg" alt="Red
fort" width="1000" height="750">
       <div class="carousel-caption" style="color:red; font-size:75px;">
       <h1  style="color:red; font-size:50px;">Red fort</h1>
       </div>
       </div>
    <div class="carousel-item">
     <img
src="https://upload.wikimedia.org/wikipedia/commons/thumb/8/8f/TajMahal.jpg/779px-
TajMahal.jpg" alt="Taj Mahal" width="1000" height="750">
```

```html
            <div class="carousel-caption" style="color:blue; font-size:75px">

            <h1 style="color:blue; font-size:50px;">Taj mahal</h1>

            </div>


      </div>
      <div class="carousel-item">

         <img src="https://greenwoodhigh.edu.in/wp-content/uploads/2024/01/image-97.png"
alt="India Gate" width="1000" height="750">

            <div class="carousel-caption" style="color:orange; font-size:75px">

            <h1  style="color:orange; font-size:50px;">India gate</h1>

            </div>


      </div>
      <div class="carousel-item">

         <img src="https://ihplb.b-cdn.net/wp-content/uploads/2018/06/Qutub-Minar.jpg"
alt="Qutub-minar" width="1000" height="750">

            <div class="carousel-caption" style="color:red; font-size:75px">

            <h1  style="color:grey; font-size:50px;">Qutub minar</h1>

            </div>


      </div>
    </div>
    <a class="carousel-control-prev" href="#demo" data-slide="prev">
      <span class="carousel-control-prev-icon"></span>
    </a>
    <a class="carousel-control-next" href="#demo" data-slide="next">
      <span class="carousel-control-next-icon"></span>
    </a>
  </div>
</body>
```
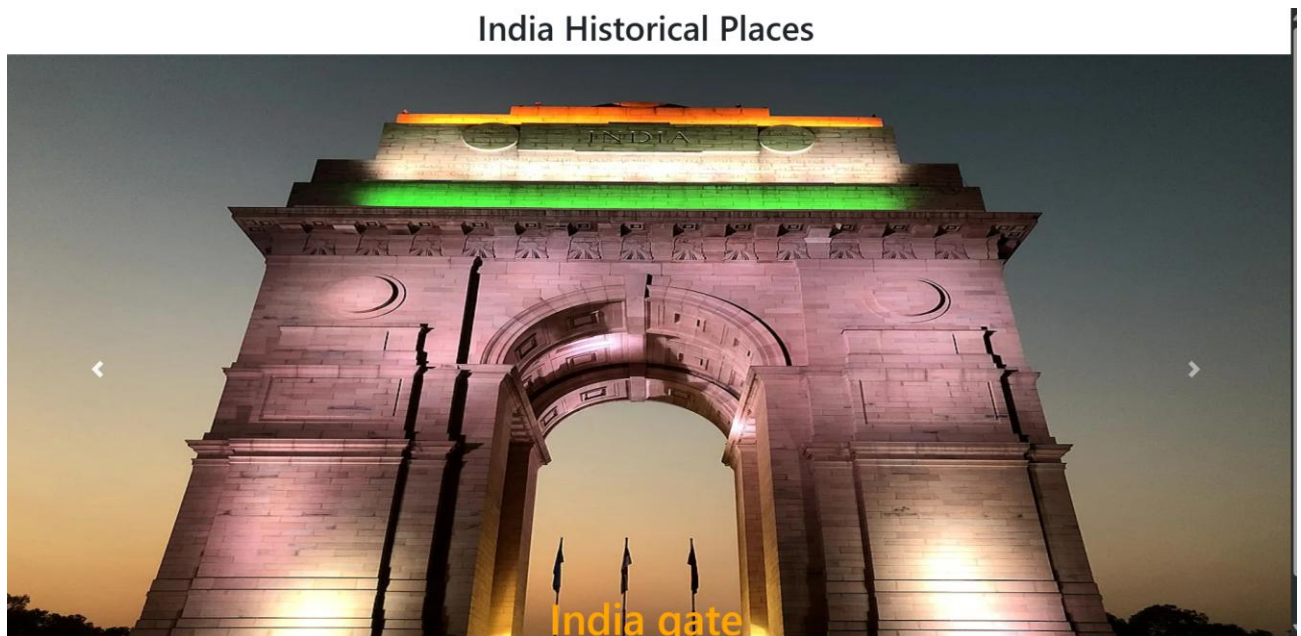
</html>

OUTPUT:-

India Historical Places

India gate

Q11) Design a stacked form with appropriate input fields to capture data, including fields for registration number, email, password, gender, and a submit button.

CODE:-

```html
<html >
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Ahab Anwer,2341001097,Assignment-4,Q-11</title>
   <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
   <div class="container mt-5">
      <h2 class="text-center mb-4">Registration Form</h2>
      <form>
        <div class="form-group">
           <label for="regNumber">Registration Number</label>
```

```html
          <input type="text" class="form-control" id="regNumber" placeholder="Enter your registration number" required>

        </div>

        <div class="form-group">

          <label for="email">Email</label>

          <input type="email" class="form-control" id="email" placeholder="Enter your email" required>

        </div>

        <div class="form-group">

          <label for="password">Password</label>

          <input type="password" class="form-control" id="password" placeholder="Enter your password" required>

        </div>

        <div class="form-group">

          <label for="gender">Gender</label>

          <select class="form-control" id="gender" required>

            <option value="" disabled selected>Select your gender</option>

            <option value="male">Male</option>

            <option value="female">Female</option>

            <option value="other">Other</option>

          </select>

        </div>

        <button type="submit" class="btn btn-success btn-block">Submit</button>

      </form>

    </div>

</body>

</html>
```

OUTPUT:-

Registration Form

Registration Number

Enter your registration number

Email

Enter your email

Password

Enter your password

Gender

Select your gender

Submit