

Assignment-4

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Serial no-10

Section-23412G1

Subject-CSW-1(CSE 2141)

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).

```
<html>
<head>
  <title>A4Q1 Anupam chandra 2341003015</title>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <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://maxcdn.bootstrapcdn.com/bootstrap/4.2.1/js/bootstrap.min.js"></scrip
t>

  <style>
    .row-style {
      border: 1px solid #000;
```



```
</body>
</html>
```

File | A:/VScode/HTML%20my%20PC/Ass4/A4Q1.html

Bootstrap Grids

Extra small screen size:(< 576px)

Column 1	Column 2
----------	----------

Extra small screen size:(< 576px)

Column 1	Column 2	Column 3
----------	----------	----------

Small screen size:(> =576px)

Column 1	Column 2	Column 3	Column 4
----------	----------	----------	----------

Medium screen size:(> =768px)

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
----------	----------	----------	----------	----------	----------

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.

```
<html>
<head>
  <title>A4Q2 Anupam chandra 2341003015</title>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js">
</script>
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
```

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

<style>
.row>div{
background-color:lightgreen;
border:2px solid black;
}
</style>
</head>
<body>
<div class="container">
<h1>Botstrap Grid</h1>
<br>
<h3>First Row</h3>

<div class="row">

<div class="col-6 bg-success text-light">Col-1</div>
<div class="col-6 bg-primary text-white">Col-2</div>
</div><br>

<h3>Second Row</h3>

<div class="row">

<div class="col-4 bg-warning text-dark">Col-1</div>
<div class="col-4 bg-danger text-white">Col-2</div>
<div class="col-4 bg-info text-light">Col-3</div>
</div><br>
<h3>Third Row</h3>

<div class="row">

<div class="col-sm-3 bg-warning text-light">Col-1</div>
<div class="col-sm-3 bg-info text-dark">Col-2</div>
<div class="col-sm-3 bg-warning text-light">Col-3</div>
<div class="col-sm-3 bg-info text-dark">Col-4</div>
</div><br>
<h3>Forth Row</h3>
<div class="row">
```

```

<div class="col-md-2 bg-warning text-light">Col-1</div>
<div class="col-md-2 bg-success text-light">Col-2</div>
<div class="col-md-2 bg-primary text-white">Col-3</div>
<div class="col-md-2 bg-warning text-light">Col-4</div>
<div class="col-md-2 bg-info text-dark">Col-5</div>
<div class="col-md-2 bg-warning text-light">Col-6</div>
</div><br>

</div>
</body>
</html>

```

File | A:/VScode/HTML%20my%20PC/Ass4/A4Q2.html

Botstrap Grid

First Row



Second Row



Third Row



Forth Row



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.

```

<html>
<head>

  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q3 Anupam chandra 2341003015</title>

  <style>

```

```
body {
  font-family: Arial, sans-serif;
  display: flex;
  justify-content: center;
  align-items: center;
  height: 100vh;
  margin: 0;
}

.container {
  text-align: center;
}

.image-grid {
  display: grid;
  grid-template-columns: repeat(3, 200px);
  gap: 20px;
  margin-bottom: 20px;
}

.image-item img {
  width: 200px;
  height: 200px;
  object-fit: cover;
  transition: border-radius 0.9s ease;
}

.thumbnail {
  border-radius: 0%;
}

.toggle-input {
  display: none;
}

.toggle-button {
  padding: 10px 20px;
  background-color: lightblue;
  color: white;
  border: none;
  cursor: pointer;
  font-size: 16px;
  display: inline-block;
}
```

```

        margin-bottom: 20px;
    }

    .toggle-button:hover {
        background-color: grey;
    }

    .toggle-input:checked ~ .image-grid .image-item img {
        border-radius: 50%;
    }
</style>
</head>
<body>

    <div class="container">
        <h1>Clicked the Button to change image shape</h1>

        <label for="toggle" class="toggle-button">Change to Circular
Border</label>
        <input type="checkbox" id="toggle" class="toggle-input">

        <div class="image-grid">
            <div class="image-item">
                
            </div>
            <div class="image-item">
                
            </div>
            <div class="image-item">
                
            </div>
        </div>

    </div>

</body>
</html>

```

Clicked the Button to change image shape

Change to Circular Border



Clicked the Button to change image shape

Change to Circular Border



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.

```
<html>
<head>
<meta name="viewport" content="width=device-width,initial-scale=1">
<title>A4Q4 Anupam chandra 2341003015 Alerts in Bootstrap</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"></scrip
t>
<script>
$(document).ready(function(){
$(".container").mouseenter(function(){
$(".alert").fadeOut(5000);
})
})
</script>
</head>
<body>
<h1>Bootstrap fading alerts</h1>
<div class="container">
  <div class="alert alert-success alert-dismissible fade
show"><em>Success</em> To Visit SOA University.<button type="button"
class="close">&times;</button><a href="https://www.soa.ac.in/iter" class="alert-
link">Click Here</a>
  </div> <div class="alert alert-info alert-dismissible"><em>Info</em> Visit
SOA University.
  <button type="button" class="close">&times;</button><a
href="https://www.soa.ac.in/iter" class="alert-link">Click Here</a>
  </div>
  <div class="alert alert-warning"><em>Warning</em> To Visit SOA University.
  <button type="button" class="close">&times;</button><a
href="https://www.soa.ac.in/iter" class="alert-link">Click Here</a>
  </div>
  <div class="alert alert-danger"><em>Danger</em> To Visit SOA University.
  <button class="close">&times;</button><a href="https://www.soa.ac.in/iter"
class="alert-link">Click Here</a>
  </div>
  <div class="alert alert-primary"><em>Primary</em> To Visit SOA University.
```

```

        <button class="close">&times;</button><a href="https://www.soa.ac.in/iter"
class="alert-link">Click Here</a>
    </div>
    <div class="alert alert-secondary"><em>Secondary</em> To visit SOA
University.
        <button class="close">&times;</button><a href="https://www.soa.ac.in/iter"
class="alert-link">Click Here</a>

    </div>
</div>
</body>
</html>

```

File | A:/VScod/HTML%20my%20PC/Ass4/A4Q4.html

Bootstrap fading alerts

SuccessTo Visit SOA University. Click Here ×

Info Visit SOA University. Click Here ×

Warning To Visit SOA University. Click Here ×

Danger To Visit SOA University. Click Here ×

Primary To Visit SOA University. Click Here ×

Secondary To visit SOA University. Click Here ×

3ootstrap fading alerts

SuccessTo Visit SOA University. Click Here ×

Info Visit SOA University. Click Here ×

Warning To Visit SOA University. Click Here ×

Danger To Visit SOA University. Click Here ×

Primary To Visit SOA University. Click Here ×

Secondary To visit SOA University. Click Here ×

Bootstrap fading alerts

Success To Visit SOA University. Click Here	×
Info Visit SOA University. Click Here	×
Warning To Visit SOA University. Click Here	×
Danger To Visit SOA University. Click Here	×
Primary To Visit SOA University. Click Here	×
Secondary To visit SOA University. Click Here	×

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

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.

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q5 Anupam chandra 2341003015</title>

  <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"></scrip
t>

<style>

.dropdown-submenu {
  position: relative;
}

.dropdown-submenu>.dropdown-menu {
  top: 0;
  left: 100%;
  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>

<div class="container mt-4">
  <h2>Nested Dropdown Menu Example</h2>

  <!-- Button Group for Categories -->
  <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>
        <a class="dropdown-item" href="#">Option 1.3.3</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>
        <a class="dropdown-item" href="#">Option 2.3.3</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>

```

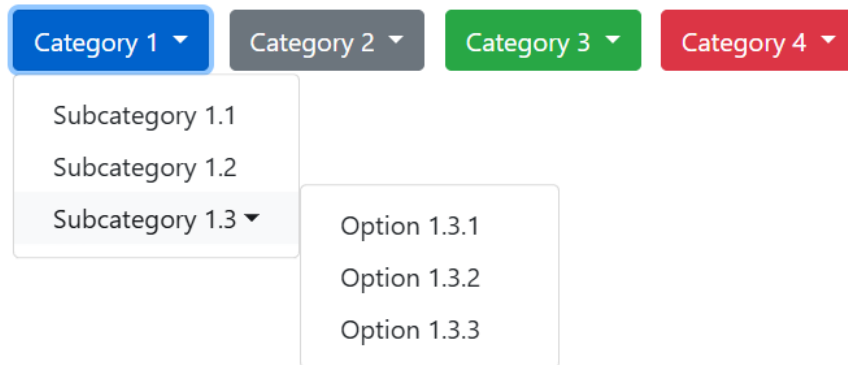
```
        <a class="dropdown-item" href="#">Option 3.3.2</a>
        <a class="dropdown-item" href="#">Option 3.3.3</a>
      </div>
    </div>
  </div>
</div>

<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>
        <a class="dropdown-item" href="#">Option 4.3.3</a>
      </div>
    </div>
  </div>
</div>

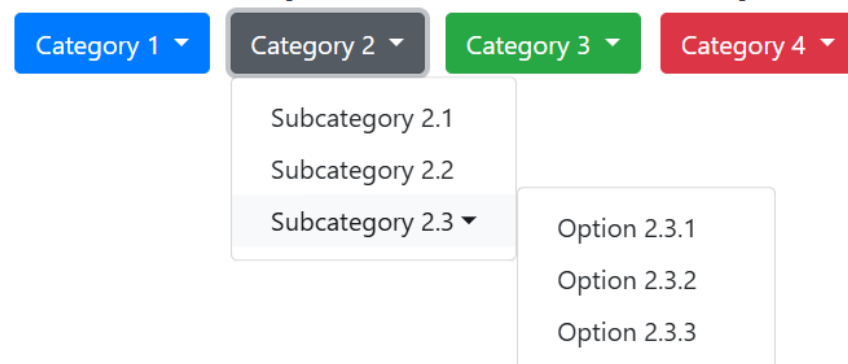
</div>

</body>
</html>
```

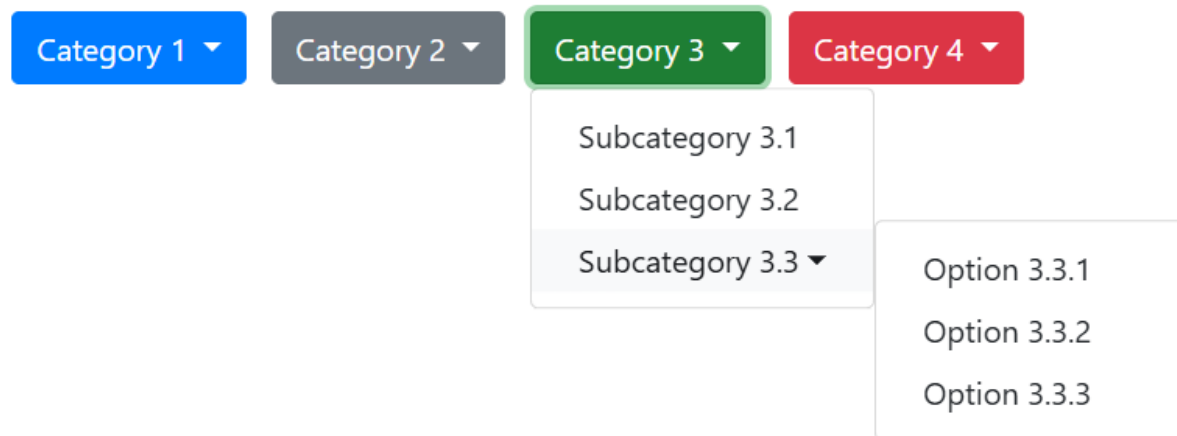
Nested Dropdown Menu Example



Nested Dropdown Menu Example



Nested Dropdown Menu Example



Nested Dropdown Menu Example



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, L4, L6 ensuring they fill sequentially.

```
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q6 Anupam chandra 2341003015 Progress Bar Animation</title>
  <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
rel="stylesheet">
  <style>
    .progress-container {
      display: none;
    }
  </style>
</head>
<body>

<div class="container mt-5">
  <h3 class="text-center">Progress Bar with animation</h3>

  <!-- Button to trigger progress bars animation -->
  <div class="text-center mt-4">
    <button id="uploadButton" class="btn btn-primary">Upload File</button>
  </div>

  <!-- Container for the progress bars (initially hidden) -->
  <div id="progressContainer" class="progress-container mt-4">
    <!-- Progress Bar 1 -->
    <div class="progress mb-2">
      <div id="progressBar1" class="progress-bar progress-bar-striped
progress-bar-animated" style="width: 0%; background-color: #007bff;"
role="progressbar" aria-valuenow="0" aria-valuemin="0" aria-valuemax="100"></div>
    </div>

    <!-- Progress Bar 2 -->
    <div class="progress mb-2">
      <div id="progressBar2" class="progress-bar progress-bar-striped
progress-bar-animated"
style="width: 0%; background-color: #28a745;" role="progressbar"
aria-valuenow="0"
aria-valuemin="0" aria-valuemax="100"></div>
```

```

    </div>

    <!-- Progress Bar 3 -->
    <div class="progress mb-2">
        <div id="progressBar3" class="progress-bar progress-bar-striped
progress-bar-animated"
            style="width: 0%; background-color: #ffc107;" role="progressbar"
aria-valuenow="0"
            aria-valuemin="0" aria-valuemax="100"></div>
    </div>

    <!-- Progress Bar 4 -->
    <div class="progress mb-2">
        <div id="progressBar4" class="progress-bar progress-bar-striped
progress-bar-animated"
            style="width: 0%; background-color: #dc3545;" role="progressbar"
aria-valuenow="0"
            aria-valuemin="0" aria-valuemax="100"></div>
    </div>
</div>

<!-- jQuery and Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>
<script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.5.4/dist/umd/popper.min.js"></
script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></sc
ript>

<script>
    $(document).ready(function() {
        // Button click event
        $('#uploadButton').click(function() {
            $('#progressContainer').fadeIn(); // Show the progress container
            animateProgressBars(); // Start the animation
        });

        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); // Stop the current interval when
100% is reached
            if (callback) callback(); // Call the callback to start the
next progress bar
        }
    }, 100);
}

});
</script>

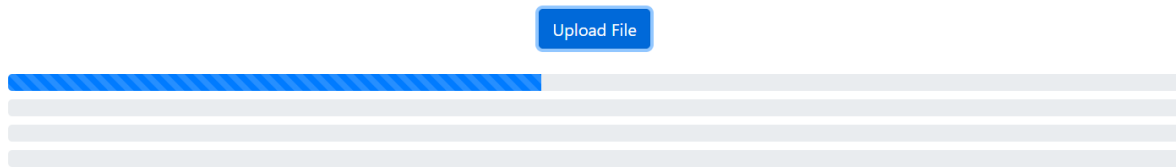
</body>
</html>

```

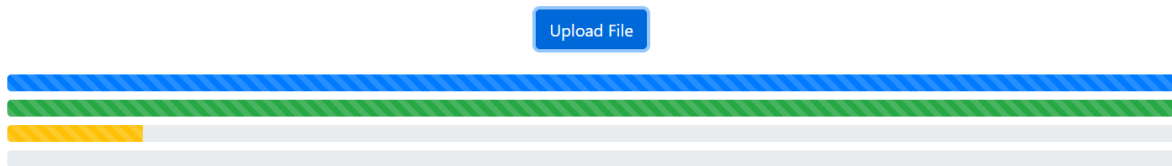
Progress Bar with animation

Upload File

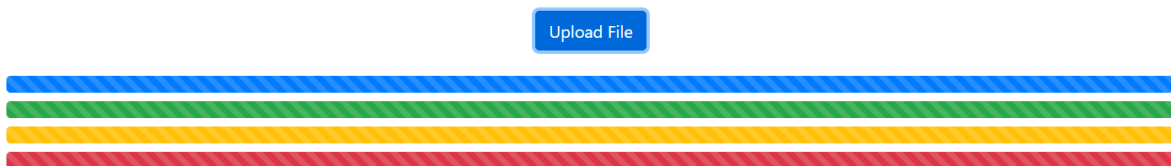
Progress Bar with animation



Progress Bar with animation



Progress Bar with animation



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.

```
<html>
```

```
<head>
<title>A4Q7 part-1 Anupam chandra 2341003015 4dec </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"></scrip
t>
</head>

<body>
<div class="container">
<div class="card">
<div class="card-header bg-success text-white"> HTML PAGE 1 </div>
  <p>This is the content of Page 1.</p>
 <br> <br> <br>

<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="A4.html" target="_blank"> Prev
</a> </li>
<li class="page-item active"><a class="page-link" href="A1.html" target="_blank">
1 </a> </li>
<li class="page-item"><a class="page-link" href="A2.html" target="_blank"> 2 </a>
</li>
<li class="page-item"><a class="page-link" href="A3.html" target="_blank"> 3 </a>
</li>
<li class="page-item"><a class="page-link" href="A4.html" target="_blank"> 4 </a>
</li>
<li class="page-item"><a class="page-link" href="A2.html" target="_blank"> Next
</a> </li>

</body>
</html>
<html>
<head>
```

```

<title> A4Q7 part-2 Anupam chandra 2341003015 </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"></scrip
t>
</head>

<body>
<div class="container">
<div class="card">
<div class="card-header bg-info text-white"> HTML PAGE 2</div>
  <p>This is the content of Page 2.</p>
<br> <br> <br>

<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="A1.html" target="_blank"> Prev
</a> </li>
<li class="page-item "><a class="page-link" href="A1.html" target="_blank"> 1
</a> </li>
<li class="page-item active"><a class="page-link" href="A2.html" target="_blank">
2 </a> </li>
<li class="page-item"><a class="page-link" href="A3.html" target="_blank"> 3 </a>
</li>
<li class="page-item"><a class="page-link" href="A4.html" target="_blank"> 4 </a>
</li>
<li class="page-item"><a class="page-link" href="A3.html" target="_blank"> Next
</a> </li>

</body>
</html>

<html>

```

```
<head>
<title>A4Q7 part-3 Anupam chandra 2341003015 </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"></scrip
t>
</head>
<body>
<div class="container">
<div class="card">
<div class="card-header bg-info text-white"> HTML PAGE 3</div>
  <p>This is the content of Page 3.</p>
  <p>A chaotic sunset from 19feb 2022</p>
<br> <br> <br>

<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="A2.html" target="_blank"> Prev
</a> </li>
<li class="page-item "><a class="page-link" href="A1.html" target="_blank"> 1
</a> </li>
<li class="page-item "><a class="page-link" href="A2.html" target="_blank"> 2
</a> </li>
<li class="page-item active"><a class="page-link" href="A3.html" target="_blank">
3 </a> </li>
<li class="page-item"><a class="page-link" href="A4.html" target="_blank"> 4 </a>
</li>
<li class="page-item"><a class="page-link" href="A4.html" target="_blank"> Next
</a> </li>

</body>
</html>
```

```
<html>
<head>
<title> A4Q7 part-4 Anupam chandra 2341003015 </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"></scrip
t>
</head>
<body>
<div class="container">
<div class="card">
<div class="card-header bg-info text-white"> HTML PAGE 4 </div>
  <p>This is the content of Page 4. A beautiful sunrise in gaachi</p>
<br> <br> <br>

<ul class="pagination pagination-lg">
<li class="page-item"><a class="page-link" href="A3.html" target="_blank"> Prev
</a> </li>
<li class="page-item "><a class="page-link" href="A1.html" target="_blank"> 1
</a> </li>
<li class="page-item "><a class="page-link" href="A2.html" target="_blank"> 2
</a> </li>
<li class="page-item "><a class="page-link" href="A3.html" target="_blank"> 3
</a> </li>
<li class="page-item active"><a class="page-link" href="A4.html" target="_blank">
4 </a> </li>
<li class="page-item"><a class="page-link" href="A1.html" target="_blank"> Next
</a> </li>

</body>
</html>
```


HTML PAGE 1

This is the content of Page 1.



Prev

1

2

3

4

Next

HTML PAGE 2

This is the content of Page 2.



[Prev](#)

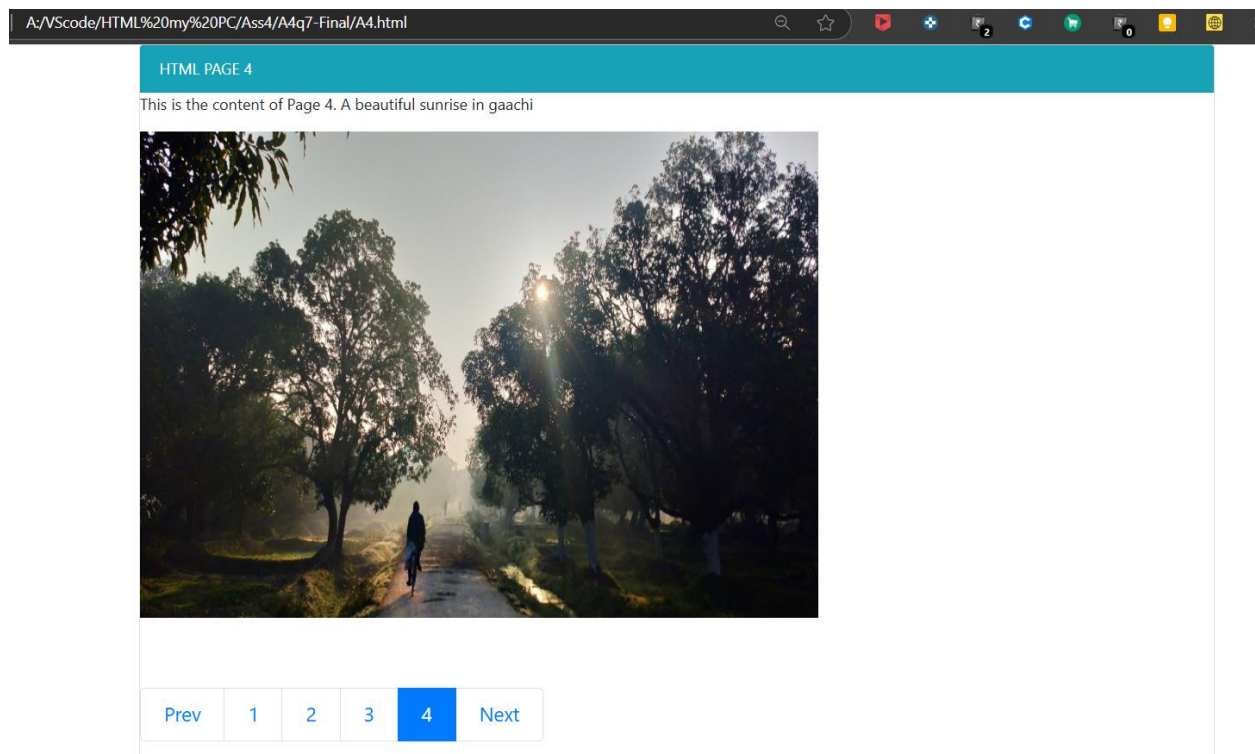
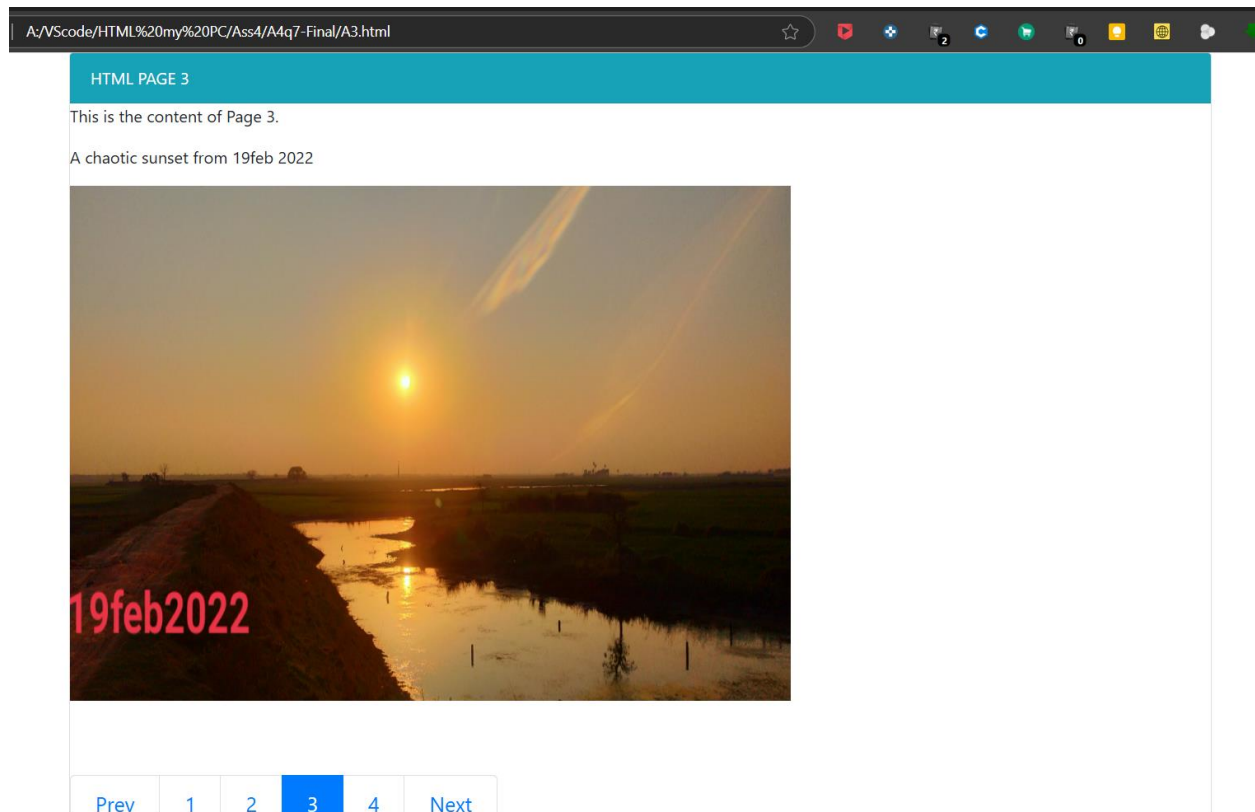
[1](#)

[2](#)

[3](#)

[4](#)

[Next](#)



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

```

<html>
<head>
  <title>A4Q8 Anupam chandra 2341003015</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"></scrip
t>

</head>
<body>

  <div class="jumbotron text-center bg-info 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 learning</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">
      <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>

<!-- Nav Tabs for Content Sections -->
<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>
    </ul>

    <div class="tab-content mt-3" id="tutorialTabContent">
        <!-- Section 1: Basics -->
        <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>

        <!-- Section 2: Elements -->

```

```

        <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>

        <!-- Section 3: Attributes -->
        <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>
    </div>

    <!-- Nav Pills for Topics -->
    <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">
    <!-- Introduction Content -->
    <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>

    <!-- Syntax Content -->
    <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>

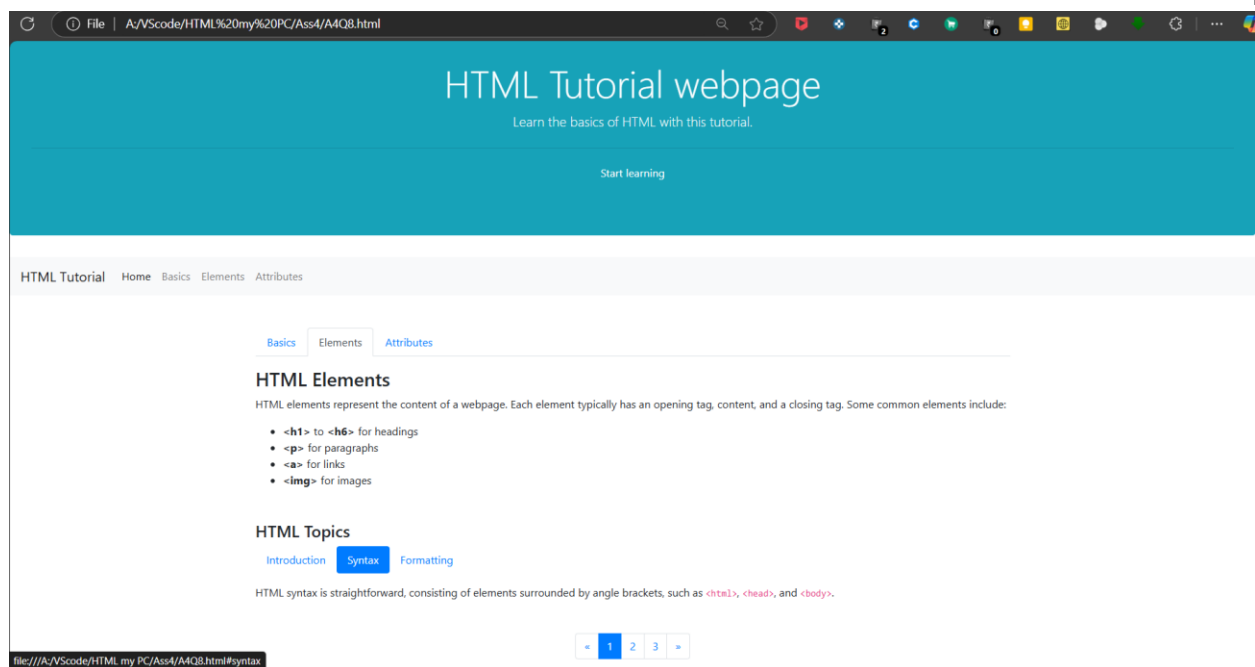
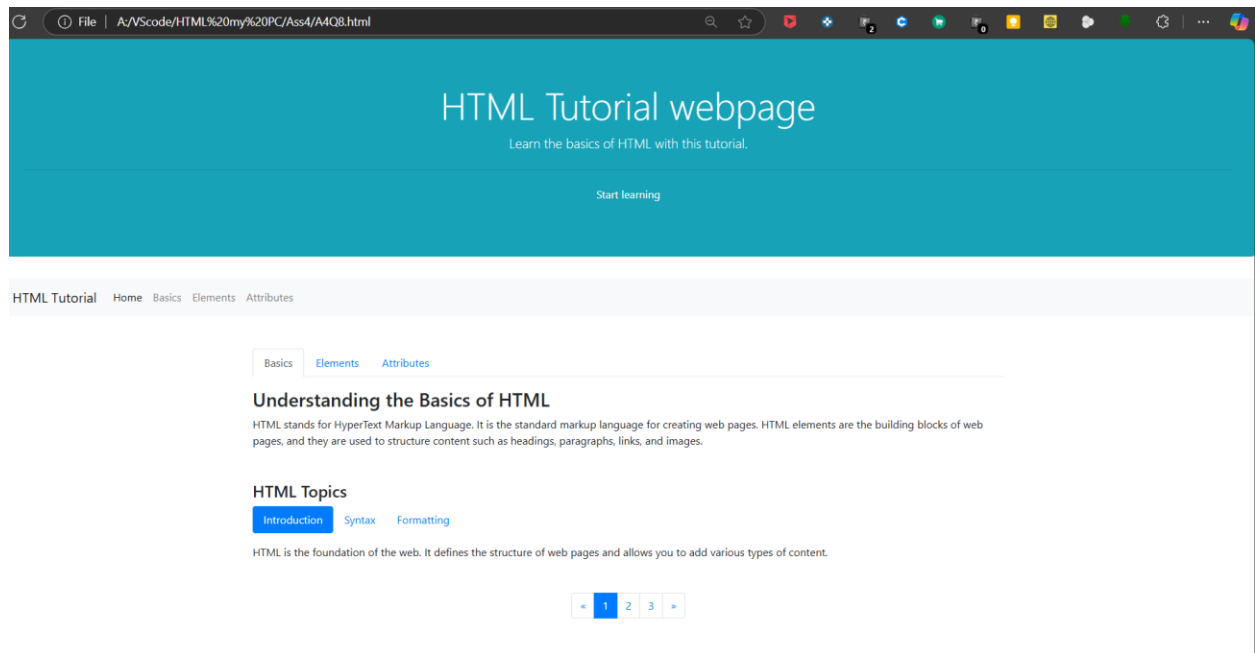
    <!-- Formatting Content -->
    <div class="tab-pane fade" id="formatting">
        <p>HTML allows you to format text using tags like
<code>&lt;b&gt;</code>, <code>&lt;i&gt;</code>, <code>&lt;strong&gt;</code>, and
<code>&lt;em&gt;</code>.</p>
    </div>
</div>
</div>

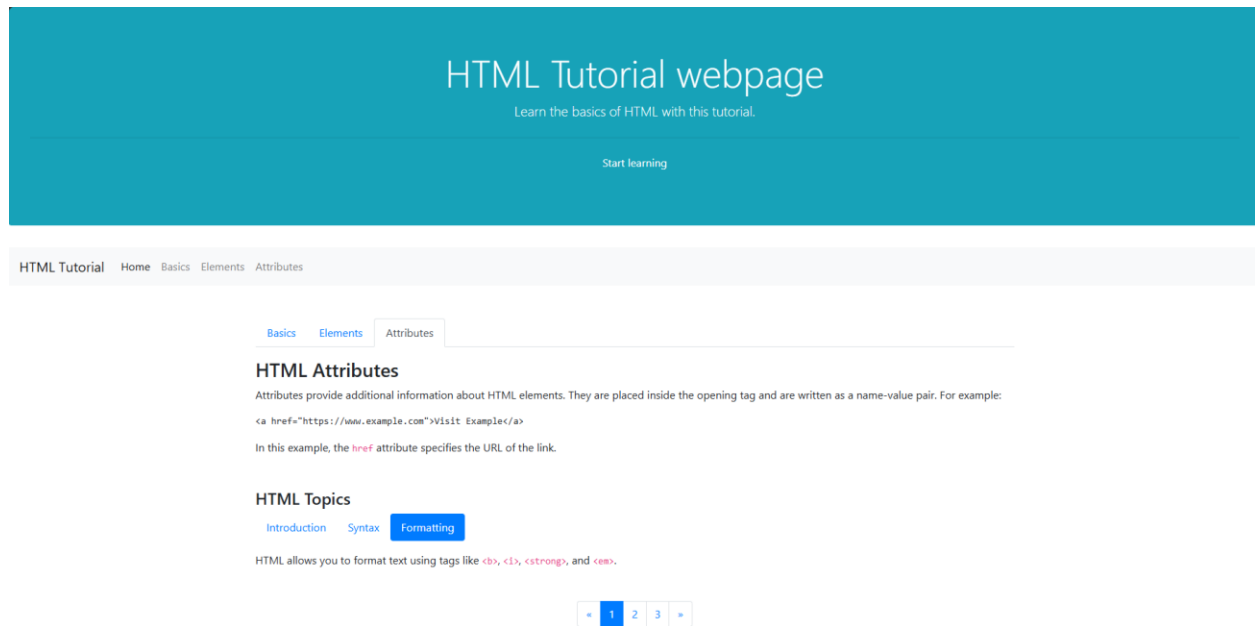
<!-- Pagination Section -->
<div class="container mt-5">
    <nav aria-label="Page navigation example">
        <ul class="pagination justify-content-center">
            <li class="page-item">
                <a class="page-link" href="#" aria-label="Previous">
                    <span aria-hidden="true">&laquo;</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>
```



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.

```
<html>
<head>

  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q1 Anupam chandra 2341003015</title>
  <!-- Bootstrap CSS -->
  <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@2.5.4/dist/umd/popper.min.js"></
script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></sc
ript>

<style>
  .card {
    border-radius: 15px;
    overflow: hidden;
    box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
  }

  .card:hover {
    transform: translateY(-10px);
    box-shadow: 0 6px 20px rgba(0, 0, 0, 0.2);
  }

  .card img {
    height: 200px;
    object-fit: cover;
    width: 100%;
  }

  .card-body {
    background-color: #78ebef;
    padding: 20px;
    text-align: center;
  }

  .card-title {
    font-size: 1.25rem;
    font-weight: bold;
    color: #333;
  }

  .card-text {
    font-size: 1rem;
    color: #666;
  }
}
```

```

        .btn {
            background-color: #007bff;
            color: #fff;
            border-radius: 20px;
            padding: 10px 20px;
            text-transform: uppercase;
            letter-spacing: 1px;
        }

        .btn:hover {
            background-color: #0056b3;
            color: #fff;
        }

        .gallery-container {
            margin-top: 30px;
        }
    </style>
</head>
<body>

<div class="container gallery-container">
    <h1 class="text-center mb-5">New Year Card Gallery</h1>

    <div class="row">
        <!-- Card 1 -->
        <div class="col-md-4 mb-4">
            <div class="card">
                

                <div class="card-body">
                    <h5 class="card-title">Happy New Year!</h5>
                    <p class="card-text">Wishing you a year full of happiness,
health, and success. Let's make this year unforgettable!</p>
                    <a href="#" class="btn" target="_blank">See More</a>
                </div>
            </div>
        </div>

        <!-- Card 2 -->
        <div class="col-md-4 mb-4">
            <div class="card">

```

```

        
        <div class="card-body">
            <h5 class="card-title">Cheers to New Beginnings!</h5>
            <p class="card-text">Embrace the joy and excitement of the
new year. May your dreams come true!</p>
            <a href="#" class="btn" target="_blank">See More</a>
        </div>
    </div>
</div>

<!-- Card 3 -->
<div class="col-md-4 mb-4">
    <div class="card">
        
        <div class="card-body">
            <h5 class="card-title">New Year, New Adventures!</h5>
            <p class="card-text">Get ready to explore new opportunities
and take on exciting adventures this year!</p>
            <a href="#" class="btn" target="_blank">See More</a>
        </div>
    </div>
</div>

<!-- Card 4 -->
<div class="col-md-4 mb-4">
    <div class="card">
        
        <div class="card-body">
            <h5 class="card-title">Joyous Moments Ahead!</h5>
            <p class="card-text">May this year bring peace, prosperity,
and endless joy into your life.</p>
            <a href="#" class="btn" target="_blank">See More</a>
        </div>
    </div>
</div>

<!-- Card 5 -->
<div class="col-md-4 mb-4">

```

```

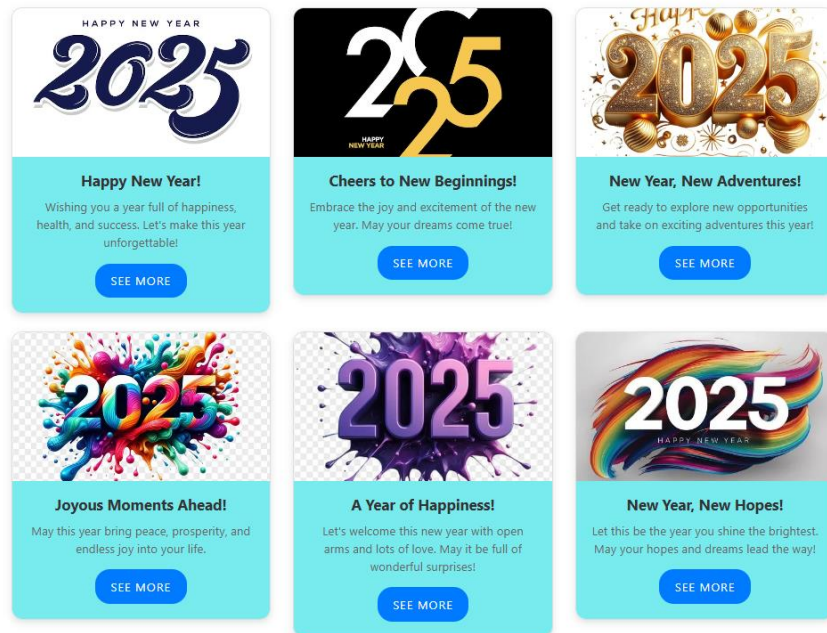
        <div class="card">
            
            <div class="card-body">
                <h5 class="card-title">A Year of Happiness!</h5>
                <p class="card-text">Let's welcome this new year with open
arms and lots of love. May it be full of wonderful surprises!</p>
                <a href="#" class="btn" target="_blank">See More</a>
            </div>
        </div>
    </div>

    <!-- Card 6 -->
    <div class="col-md-4 mb-4">
        <div class="card">
            
            <div class="card-body">
                <h5 class="card-title">New Year, New Hopes!</h5>
                <p class="card-text">Let this be the year you shine the
brightest. May your hopes and dreams lead the way!</p>
                <a href="#" class="btn" target="_blank">See More</a>
            </div>
        </div>
    </div>
</div>

</body>
</html>

```

New Year Card Gallery



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

```
<html>
<head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q10 Anupam chandra 2341003015</title>
  <!-- Bootstrap CSS -->
  <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@2.5.4/dist/umd/popper.min.js"></
script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></sc
ript>

  <style>
    .carousel-item img {
      width: 100%;
      height: 500px;
```

```

        object-fit: cover;
    }

    .carousel-caption {
        background-color: rgba(0, 0, 0, 0.5);
        color: white;
    }

    .carousel-inner {
        border-radius: 20px;
    }

    .carousel-control-prev-icon, .carousel-control-next-icon {
        background-color: black;
    }

    .container {
        margin-top: 40px;
    }
</style>
</head>
<body>

<div class="container">
    <h1 class="text-center mb-4">Some of the Historical Monuments of India</h1>

    <div id="monumentsCarousel" class="carousel slide" data-ride="carousel">
        <div class="carousel-inner">

            <div class="carousel-item active">
                
                <div class="carousel-caption bg-info">
                    <h5>Darbhanga fort</h5>
                    <p>Darbhanga is also referred as the cultural capital of
Bihar.</p>
                </div>
            </div>
        </div>
    </div>

```



```
<div class="carousel-item">
  
  <div class="carousel-caption d-none d-md-block">
    <h5>India Gate</h5>
    <p>A war memorial in Delhi, the India Gate commemorates the
soldiers who died during World War I. It is a national symbol of India.</p>
  </div>
</div>
```

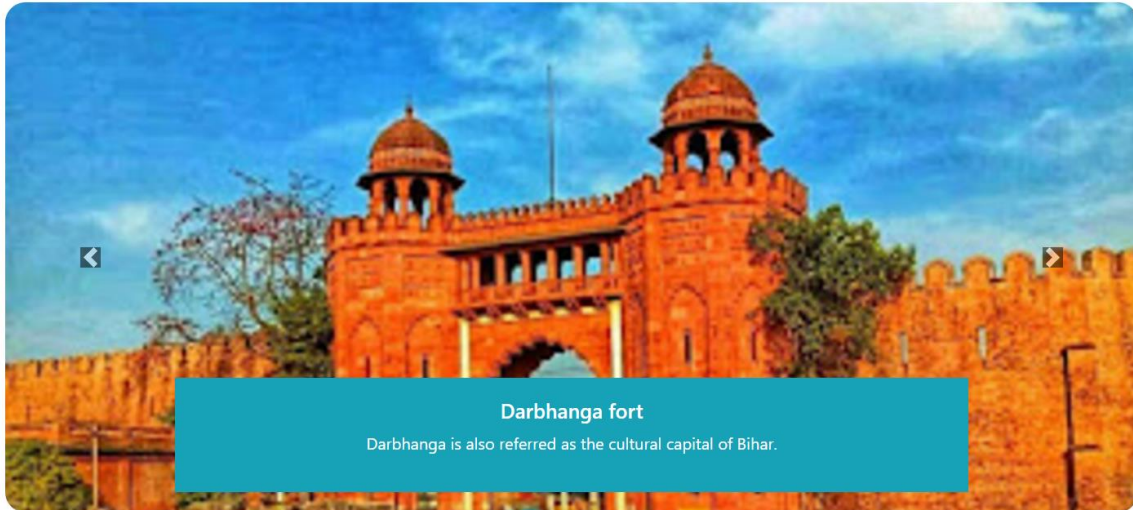
```
<div class="carousel-item">
  
  <div class="carousel-caption d-none d-md-block">
    <h5>Red Fort</h5>
    <p>Built in the 17th century by Emperor Shah Jahan, the Red
Fort in Delhi is a symbol of India's rich history and a UNESCO World Heritage
Site.</p>
  </div>
</div>
```

```
<div class="carousel-item">
  
  <div class="carousel-caption d-none d-md-block">
    <h5>Qutub Minar</h5>
    <p>Located in Delhi, this 73-meter tall minaret is a UNESCO
World Heritage Site and an example of Indo-Islamic Afghan architecture.</p>
  </div>
</div>
```

```
<div class="carousel-item">
  
  <div class="carousel-caption d-none d-md-block">
    <h5>Gateway of India</h5>
```

```
        <p>Located in Mumbai, this grand archway was built to  
commemorate the visit of King George V and Queen Mary to India in 1911.</p>  
    </div>  
</div>  
  
</div>  
  
    <a class="carousel-control-prev" href="#monumentsCarousel" role="button"  
data-slide="prev">  
        <span class="carousel-control-prev-icon" aria-hidden="true"></span>  
        <span class="sr-only">Previous</span>  
    </a>  
    <a class="carousel-control-next" href="#monumentsCarousel" role="button"  
data-slide="next">  
        <span class="carousel-control-next-icon" aria-hidden="true"></span>  
        <span class="sr-only">Next</span>  
    </a>  
</div>  
</div>  
  
</body>  
</html>
```

Some of the Historical Monuments of India



Some of the Historical Monuments of India



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

```

<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>A4Q11 Anupam chandra 2341003015 Registration </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@2.5.4/dist/umd/popper.min.js"></
script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></sc
ript>

  <style>
    .form-container {
      margin-top: 50px;
      max-width: 500px;
      margin-left: auto;
      margin-right: auto;
    }
  </style>
</head>
<body>

<div class="container form-container">
  <h2 class="text-center mb-4">User Registration form</h2>

  <form action="#" method="POST">

    <div class="form-group">
      <label for="regNumber">Registration no</label>
      <input type="text" class="form-control" id="regNumber"
name="regNumber" placeholder="Enter Registration Number" required>
    </div>

    <div class="form-group">
      <label for="email">Email </label>

```

```
        <input type="email" class="form-control" id="email" name="email"
placeholder="Enter email" required>
    </div>

    <div class="form-group">
        <label for="password">Password</label>
        <input type="password" class="form-control" id="password"
name="password" placeholder="Enter password" required>
    </div>

    <div class="form-group">
        <label>Gender</label><br>
        <div class="form-check form-check-inline">
            <input type="radio" class="form-check-input" id="genderMale"
name="gender" value="male" required>
            <label class="form-check-label" for="genderMale">Male</label>
        </div>
        <div class="form-check form-check-inline">
            <input type="radio" class="form-check-input" id="genderFemale"
name="gender" value="female" required>
            <label class="form-check-label" for="genderFemale">Female</label>
        </div>
        <div class="form-check form-check-inline">
            <input type="radio" class="form-check-input" id="genderOther"
name="gender" value="other" required>
            <label class="form-check-label" for="genderOther">Other</label>
        </div>
    </div>

    <button type="submit" class="btn btn-primary btn-block">Submit</button>
</form>
</div>

</body>
</html>
```



User Registration form

Registration no

Email

Password

Gender

☐ Male ☐ Female ☐ Other

User Registration form

Registration no

2341003015

Email

anupamchandra@gmail.com

Password

.....

Gender

☒ Male ☐ Female ☐ Other

Submit