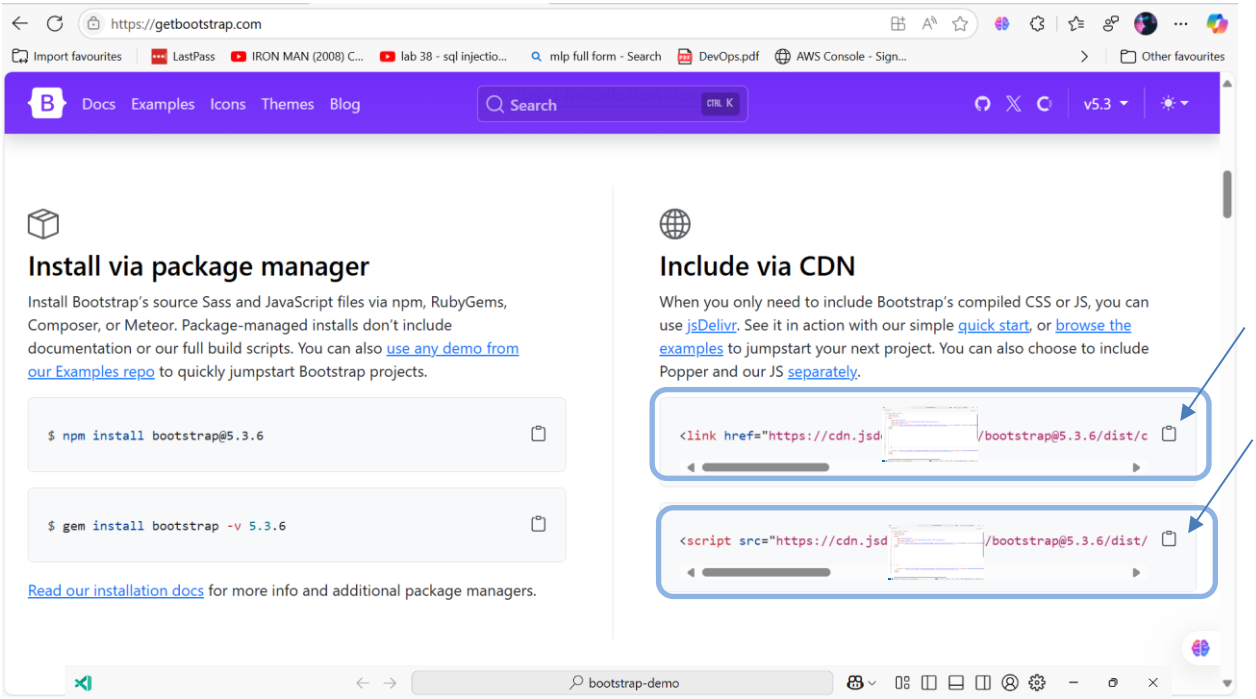
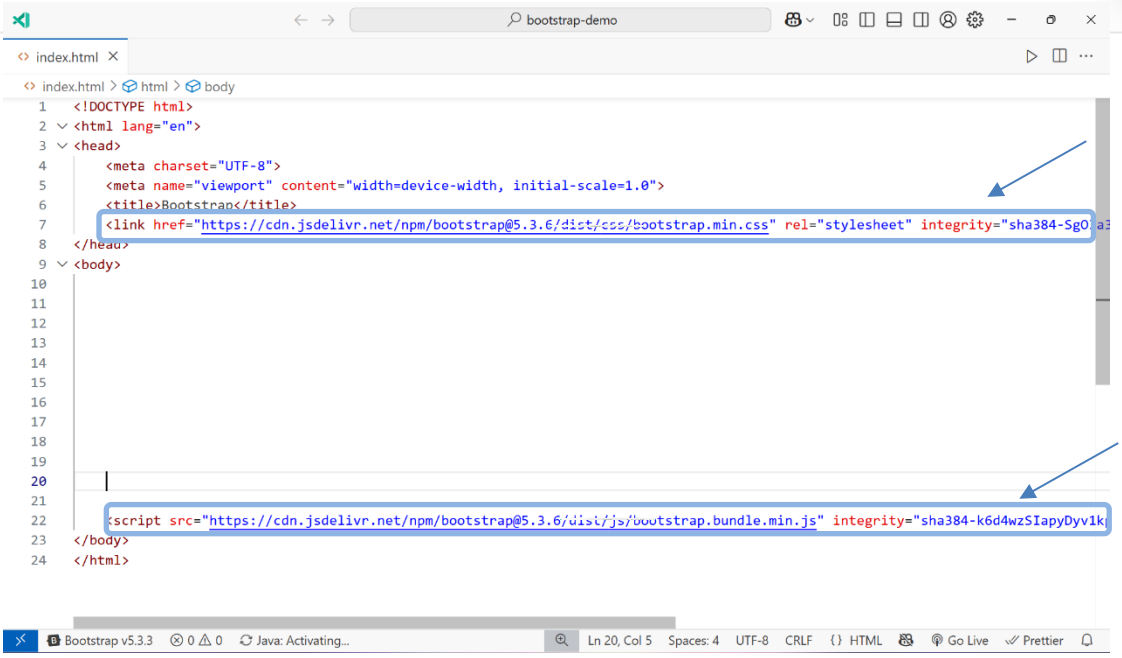
# INTRODUCTION

Bootstrap is a CSS Framework with JavaScript plugins.

Frontend Toolkit for developing responsive website.

https://getbootstrap.com/

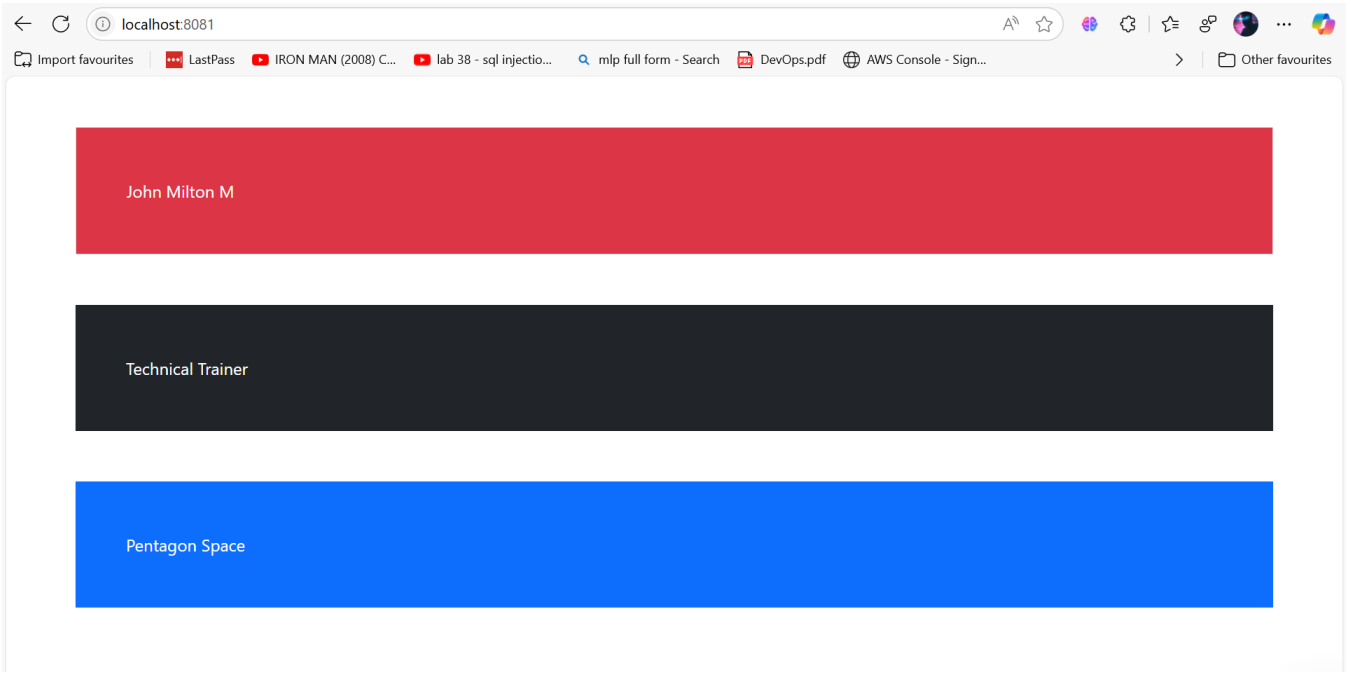


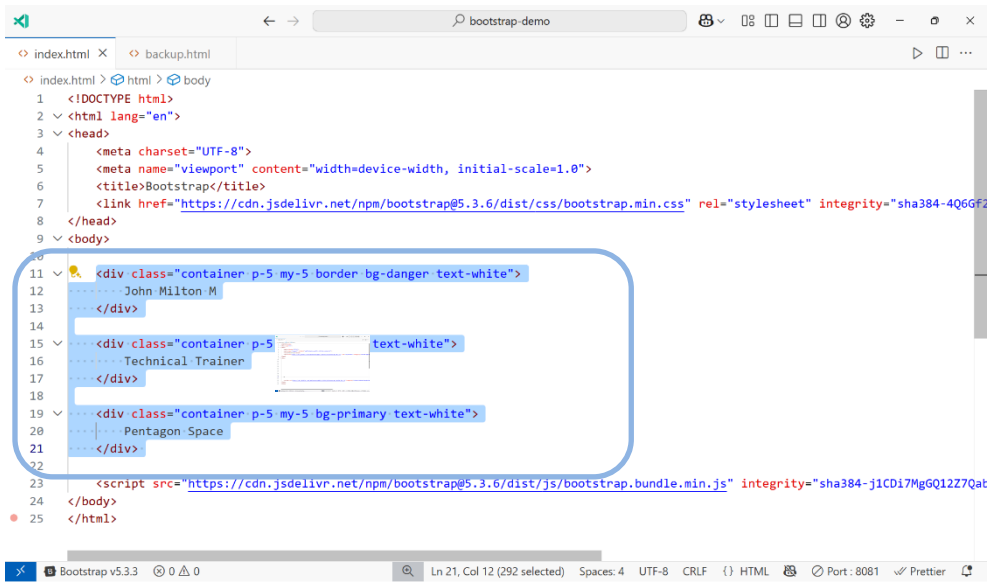



John@pentagonspace.in

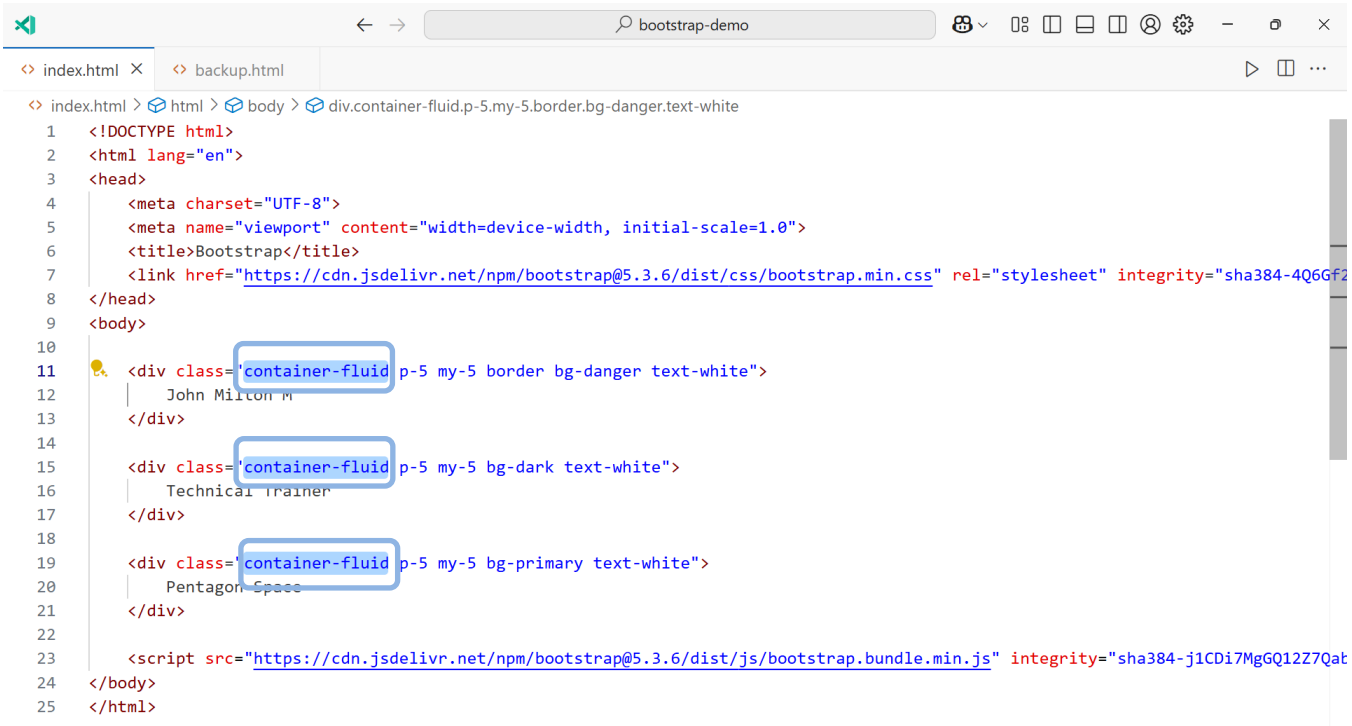
# CONTAINER

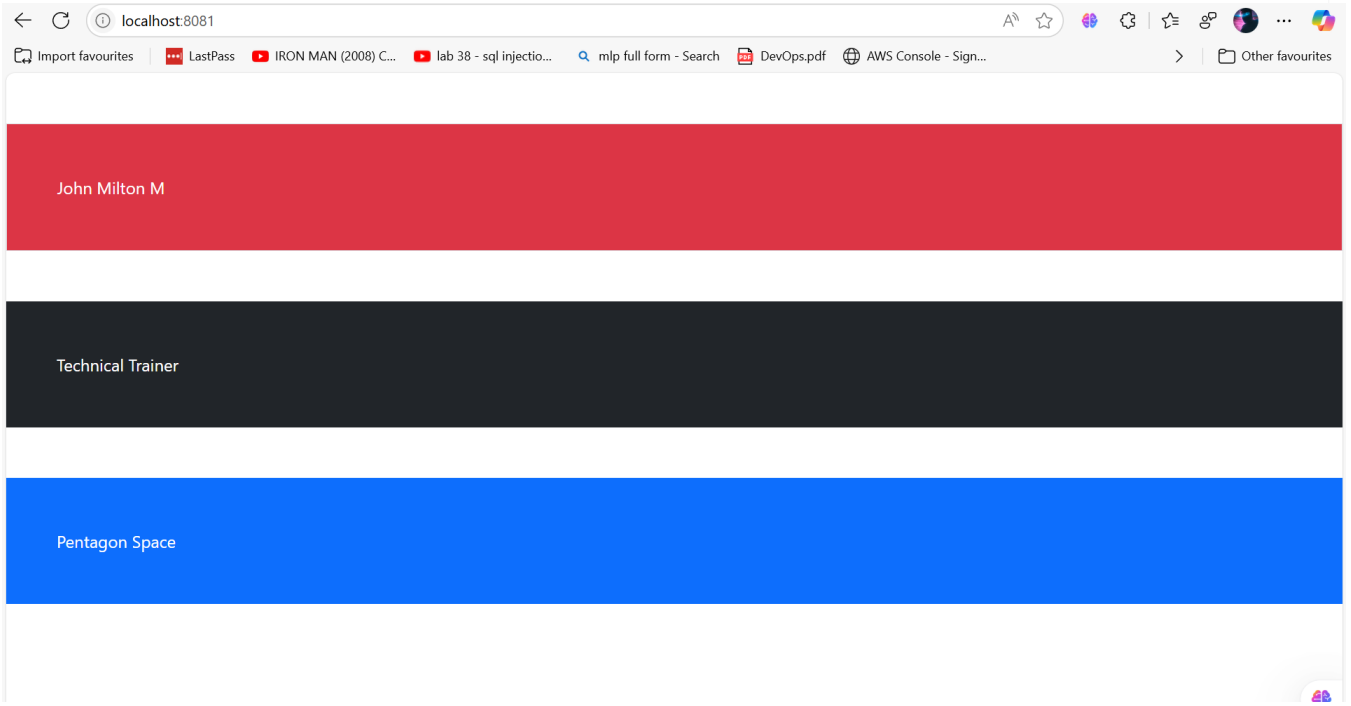



```
<div class="container p-5 my-5 border bg-danger text-white">
    John Milton M
</div>

<div class="container p-5 my-5 bg-dark text-white">
    Technical Trainer
</div>

<div class="container p-5 my-5 bg-primary text-white">
    Pentagon Space
</div>
```



# FLUID CONTAINER



**KEY DIFFERENCE:**

- Container leave space in left and right (margin)
- Fluid container will not leave space and it will occupy entire width of the viewport

**Note:**

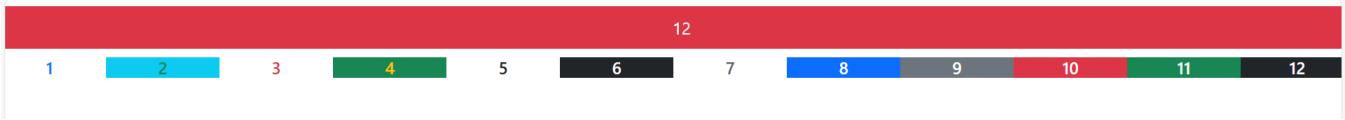
- Both will not leave space in top and bottom, we only need to specify the margin on top (`mt-5`) and bottom (`mb-5`) or both top and bottom (`my-5`)
- Here in the example, we are using class name my-5 that means we are leaving space in y-direction that means margin-top and margin-bottom is set to 3rem

```
<div class="container-fluid p-5 ">
    John Milton M
</div>

<div class="container-fluid p-5 my-5 bg-dark text-white">
    Technical Trainer
</div>

<div class="container-fluid p-5 my-5 bg-primary text-white">
    Pentagon Space
</div>
```

```
.my-5 {
  margin-top: 3rem !important;
  margin-bottom: 3rem !important;
}
```


John@pentagonspace.in

# GRID

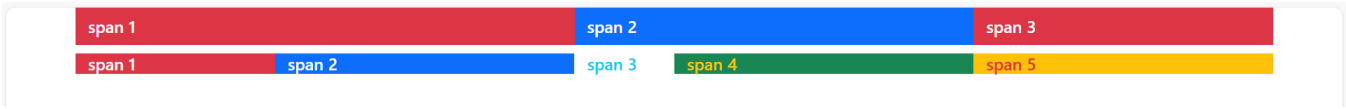



```
    <div class="row">
         <div class="col-12 text-white bg-danger text-center py-2 m-2">12</div>
       </div>

    <div class="row">
      <div class="col h6 text-primary text-center">1</div>
      <div class="col-1 h6 text-success bg-info text-center">2</div>
      <div class="col-1 h6 text-danger text-center">3</div>
      <div class="col-1 h6 text-warning bg-success text-center">4</div>
      <div class="col-1 h6 text-dark text-center">5</div>
      <div class="col-1 h6 text-light bg-dark text-center">6</div>
      <div class="col-1 h6 text-muted text-center">7</div>
      <div class="col-1 h6 text-white bg-primary text-center">8</div>
      <div class="col-1 h6 text-white bg-secondary text-center">9</div>
      <div class="col-1 h6 text-white bg-danger text-center">10</div>
      <div class="col-1 h6 text-white bg-success text-center">11</div>
      <div class="col-1 h6 text-white bg-dark text-center">12</div>
    </div>
```

---

```
<div class="container">
      <div class="row">
        <div class="col-3 py-2 h6 text-white bg-danger">span 1</div>
        <div class="col-3 py-2 h6 text-white bg-black">span 2</div>
        <div class="col-3 py-2 h6 text-white bg-primary">span 3</div>
        <div class="col-3 py-2 h6 text-white bg-danger">span 4</div>
      </div>

    <div class="row">
        <div class="col-2 h6 text-white bg-danger ">span 1</div>
        <div class="col-2 h6 text-light bg-dark">span 2</div>
        <div class="col-2 h6 text-muted">span 3</div>
        <div class="col-2 h6 text-info">span 4</div>
         <div class="col-2 h6 text-warning bg-success">span 5</div>
         <div class="col-2 h6 text-danger bg-warning">span 6</div>
    </div>
 </div>
```

---




```
<div class="container">
      <div class="row">
        <div class="col-5 py-2 h6 text-white bg-danger">span 1</div>
        <div class="col-4 py-2 h6 text-white bg-primary">span 2</div>
        <div class="col-3 py-2 h6 text-white bg-danger">span 3</div>
      </div>

    <div class="row">
        <div class="col-2 h6 text-white bg-danger ">span 1</div>
        <div class="col-3 h6 text-white bg-primary">span 2</div>
        <div class="col-1 h6 text-info">span 3</div>
         <div class="col-3 h6 text-warning bg-success">span 4</div>
         <div class="col-3 h6 text-danger bg-warning">span 5</div>
    </div>
 </div>
```

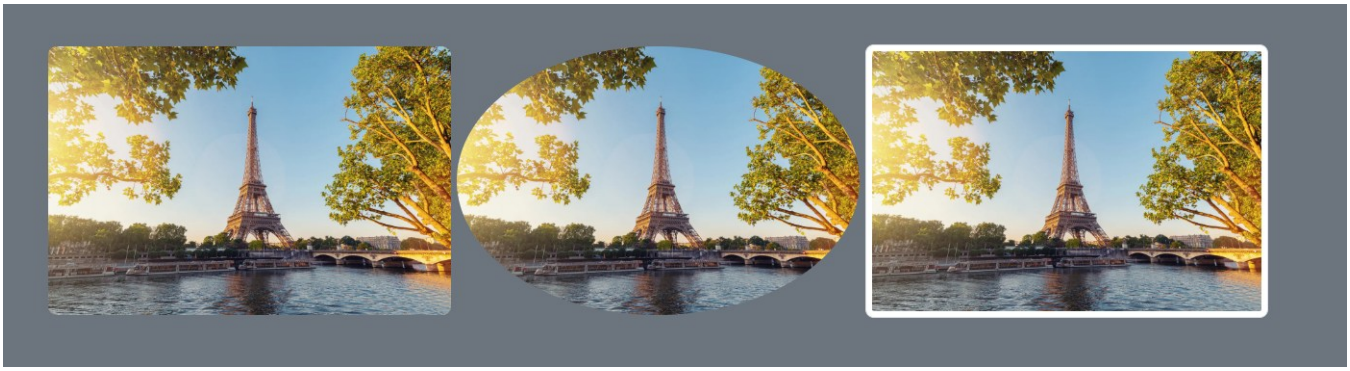
---

# TABLES

| First Name | Last Name | Role |
|---|---|---|
| John | Milton | Technical Trainer |

```
<table class="table table-striped table-bordered table-hover table-dark">
        <thead>
            <tr>
                <th>First Name</th>
                <th>Last Name</th>
                <th>Role</th>
            </tr>
        </thead>
        <tbody>
            <tr>
                <td>John</td>
                <td>Milton</td>
                <td>Technical Trainer</td>
            </tr>
        </tbody>
    </table>
```

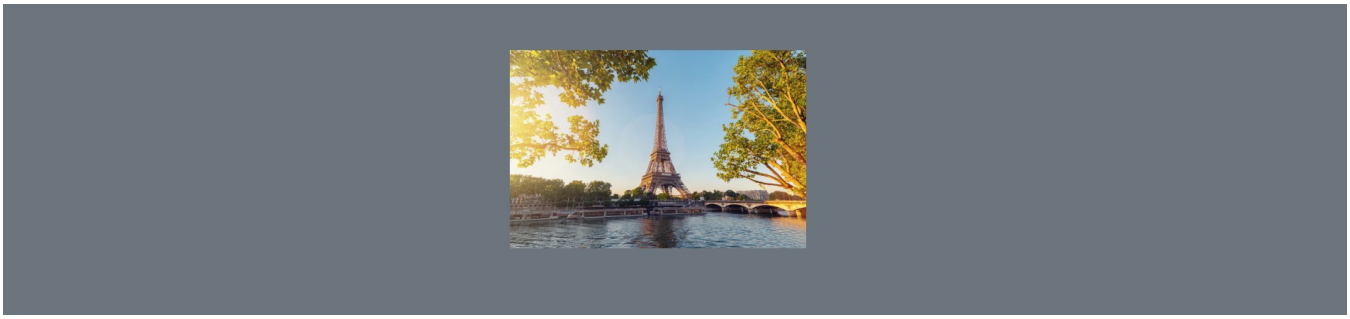
# IMAGES



```
<img src="image.png" class="h-25 w-25 rounded img-fluid" alt="">

    <img src="image.png" class="h-25 w-25 rounded-circle img-fluid" alt="">

    <img src="image.png" class="h-25 w-25 img-fluid img-thumbnail" alt="">
```

# ALIGNING IMAGES

```
<img src="image.png" class="h-25 w-25 rounded img-fluid float-end" alt="">
```



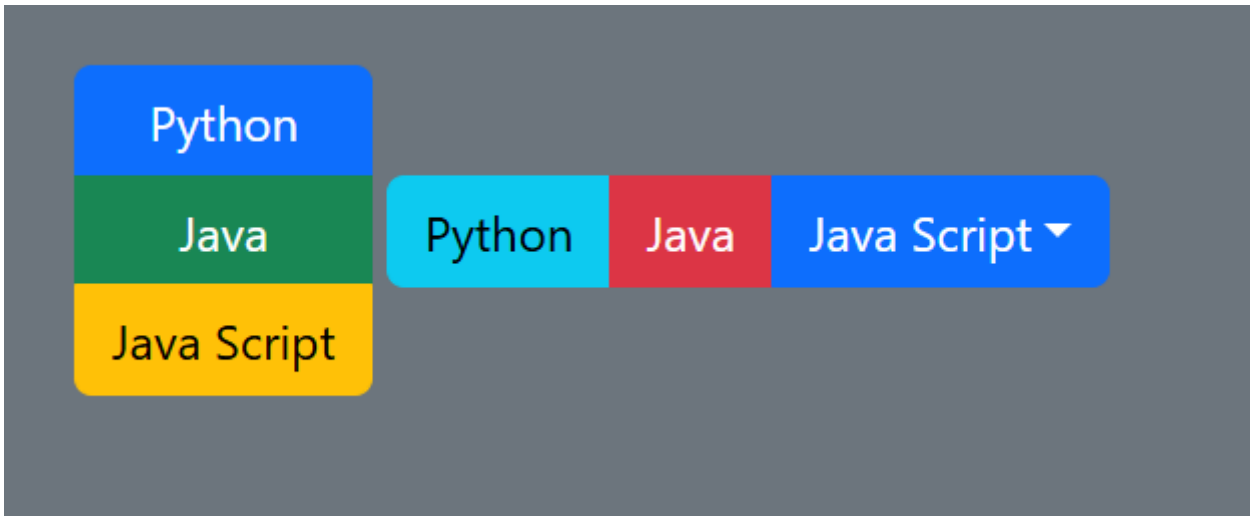
```
<img src="image.png" class="h-25 w-25 mx-auto d-block img-fluid" alt="">
```

# ALERT BOX

```
<div class="alert alert-success alert-dismissible">
        <button type="button" class="btn-close" data-bs-dismiss="alert"></button>
        <strong>Success! </strong>
        This is success message
        <a href="" class="alert-link">Link</a>
    </div>

    <div class="alert alert-warning">
        <strong>Warning! </strong>
        This is warning message
        <a href="" class="alert-link">Link</a>

    </div>
    <div class="alert alert-danger">
        <strong>Danger! </strong>
        This is danger message
    </div>
     <div class="alert alert-info">
        <strong>info! </strong>
        This is info message
    </div>
      <div class="alert alert-primary">
        <strong>primary! </strong>
        This is primary message
    </div>
    <div class="alert alert-dark">
        <strong>dark! </strong>
        This is dark message
    </div>
    <div class="alert alert-secondary">
        <strong>secondary! </strong>
        This is secondary message
    </div>
    <div class="alert alert-light">
        <strong>light! </strong>
        This is light message
    </div>
```

# BUTTONS, DROPDOWN

```
<div class="btn-group-vertical">
  <button type="button" class="btn btn-primary">Python</button>
  <button type="button" class="btn btn-success">Java</button>
  <button type="button" class="btn btn-warning">Java Script</button>
</div>


<div class="btn-group">
  <button type="button" class="btn btn-info">Python</button>
  <button type="button" class="btn btn-danger">Java</button>
  <div class="btn-group">
    <button type="button" class="btn btn-primary dropdown-toggle" data-bs-
toggle="dropdown">Java Script</button>
    <div class="dropdown-menu">
      <a class="dropdown-item bg-danger" href="#">React</a>
      <a class="dropdown-item" href="#">Express</a>
    </div>
  </div>
</div>
```



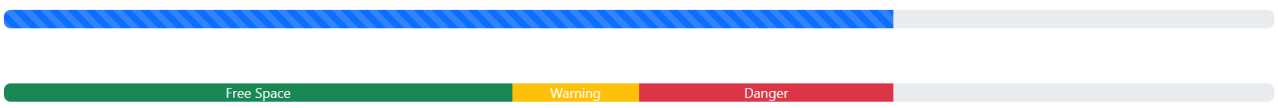

# BADGES

Pentagon Space New

Messages 4

```
<h6>Pentagon Space <span class="badge bg-danger rounded-pill">New</span></h6>
<h6>Messages <span class="badge bg-warning text-black">4</span></h6>
```

# PROGRESS BAR



```
<div class="progress my-5">
  <div class="progress-bar progress-bar-striped" style="width:70%"></div>
</div>

<div class="progress">
  <div class="progress-bar bg-success" style="width:40%">
    Free Space
  </div>
  <div class="progress-bar bg-warning" style="width:10%">
    Warning
  </div>
  <div class="progress-bar bg-danger" style="width:20%">
    Danger
  </div>
</div>
```

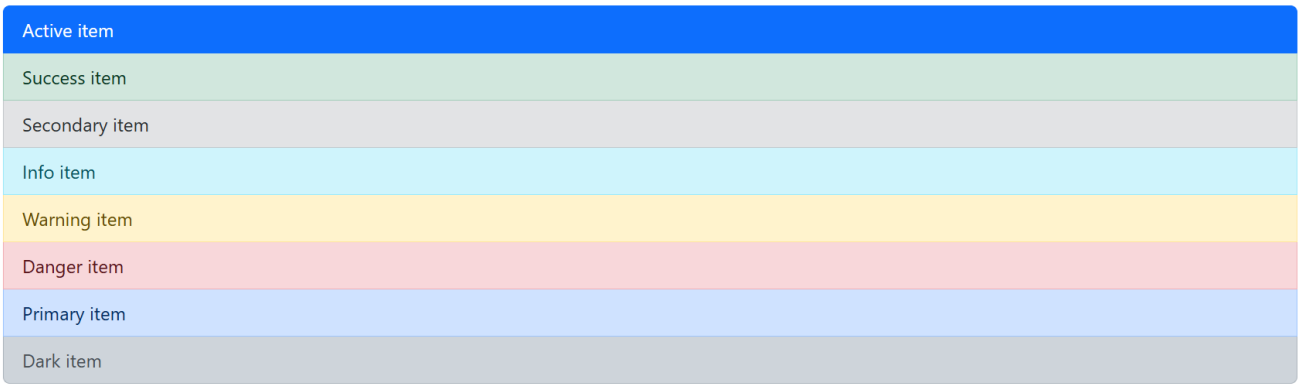
# SPINNER

```
<div class="spinner-border text-muted"></div>
<div class="spinner-grow text-primary"></div>
<div class="spinner-border text-success"></div>
<div class="spinner-grow text-info"></div>
<div class="spinner-border text-warning"></div>
<div class="spinner-grow text-danger"></div>
<div class="spinner-border text-secondary"></div>
<div class="spinner-grow text-dark"></div>
<div class="spinner-border text-light"></div>
```

# PAGINATION

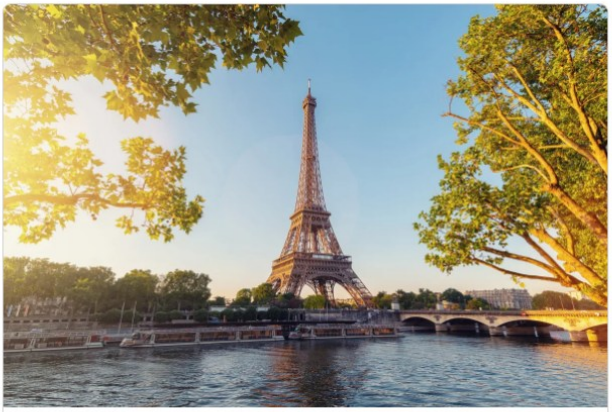
```
<ul class="pagination">
  <li class="page-item disabled"><a class="page-link" href="#">Previous</a></li>
  <li class="page-item active"><a class="page-link" href="#">1</a></li>
  <li class="page-item"><a class="page-link" href="#">2</a></li>
  <li class="page-item"><a class="page-link" href="#">3</a></li>
  <li class="page-item"><a class="page-link" href="#">Next</a></li>
</ul>
```

# LIST GROUPS




```
<ul class="list-group">
  <li class="list-group-item active">Active item</li>
  <li class="list-group-item list-group-item-success">Success item</li>
  <li class="list-group-item list-group-item-secondary">Secondary item</li>
  <li class="list-group-item list-group-item-info">Info item</li>
  <li class="list-group-item list-group-item-warning">Warning item</li>
  <li class="list-group-item list-group-item-danger">Danger item</li>
  <li class="list-group-item list-group-item-primary">Primary item</li>
  <li class="list-group-item list-group-item-dark">Dark item</li>
</ul>
```

# CARD



John Milton M

Technical Trainer

See Profile

```
<div class="card" style="width:400px">
  <img class="card-img-top" src="image.png" alt="Card image">
  <div class="card-body">
    <h4 class="card-title">John Milton M</h4>
    <p class="card-text">Technical Trainer</p>
    <a href="#" class="btn btn-primary">See Profile</a>
  </div>
</div>
```

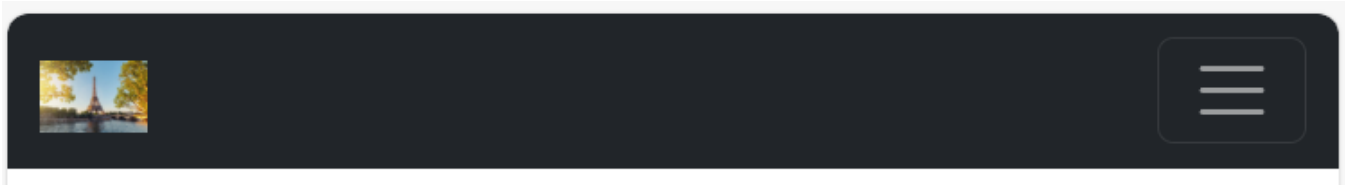
# COLLAPSE

Toggle

Bootstrap is a powerful front-end framework for faster and easier web development.

```
<button class="btn btn-primary" data-bs-toggle="collapse" data-bs-
target="#target">Toggle</button>

<div id="target" class="collapse">
Bootstrap is a powerful front-end framework for faster and easier web development.
</div>
```

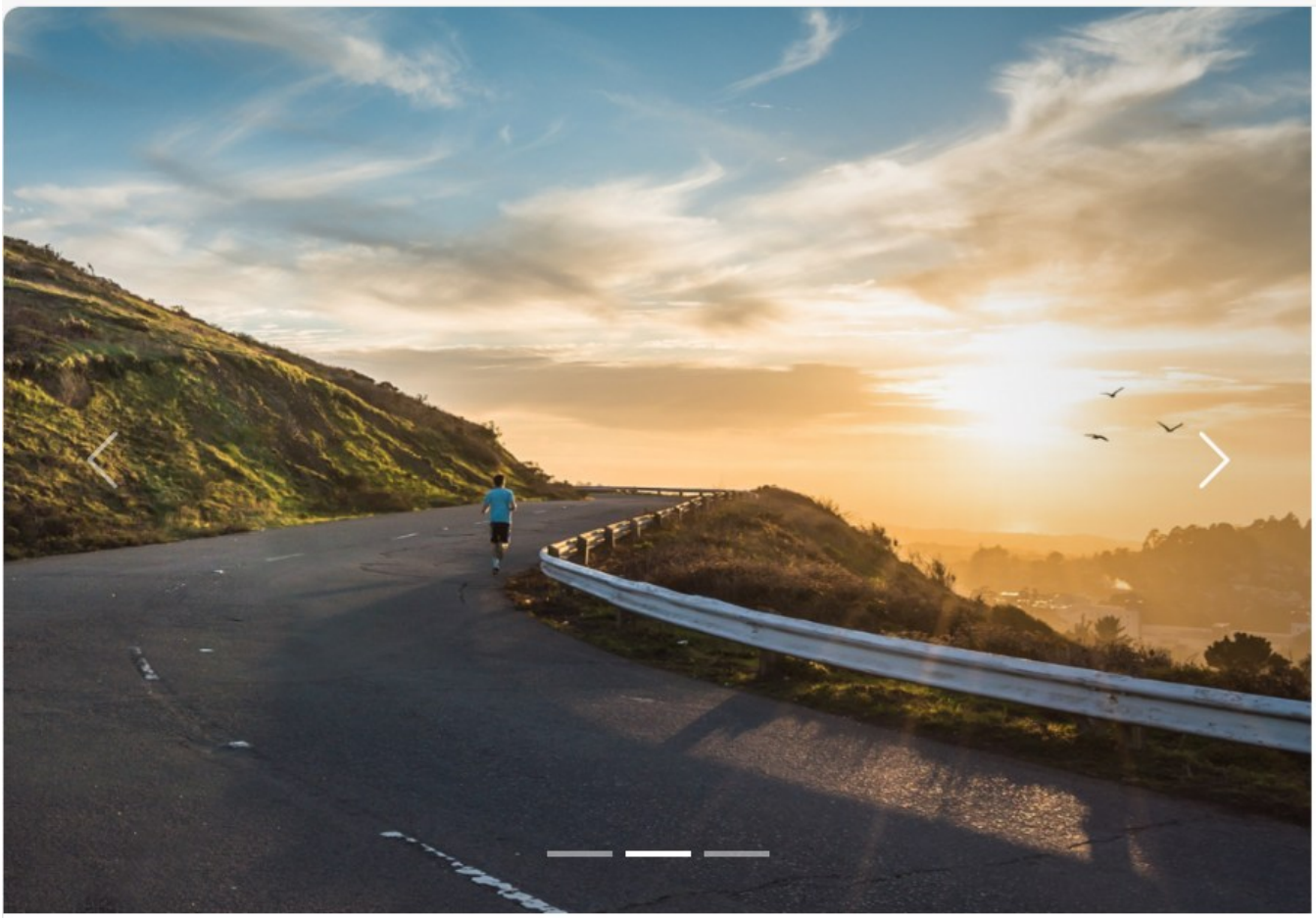
# NAV BAR



```
<nav class="navbar navbar-expand-sm bg-dark navbar-dark fixed-top">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
      <img src="image.png" alt="Avatar Logo" style="width:40px;" class="">
    </a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-
target="#collapsibleNavbar">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="collapsibleNavbar">
    <ul class="navbar-nav ms-auto">
      <li class="nav-item">
        <a class="nav-link" href="#">Link 1</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Link 2</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#">Link 3</a>
      </li>
    </ul>
  </div>
  </div>
</nav>
```


John@pentagonspace.in

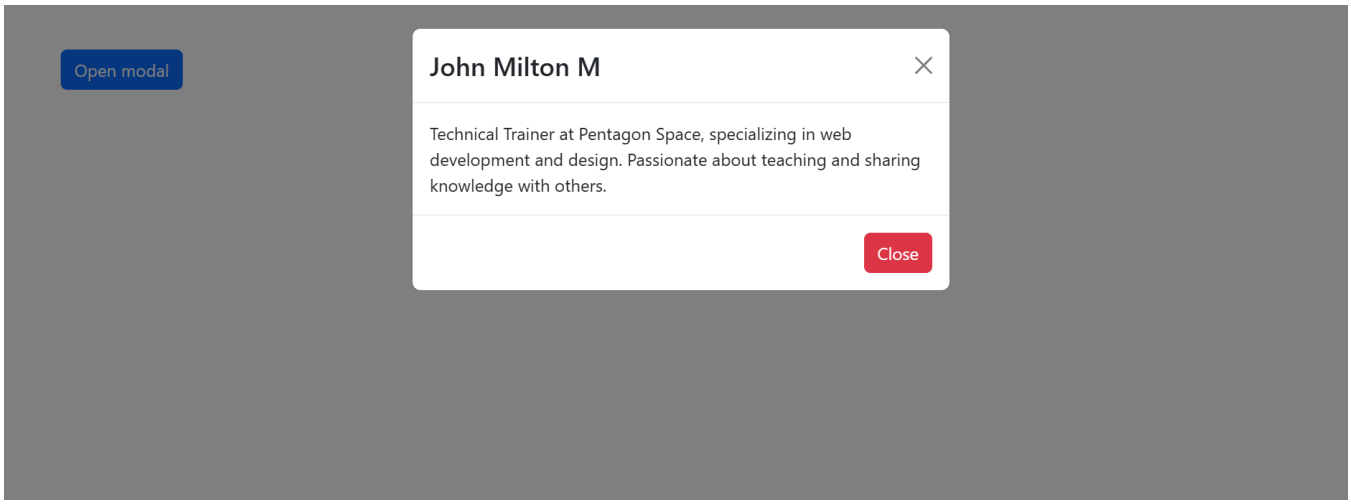
# CAROUSEL



```
<div id="demo" class="carousel slide" data-bs-ride="carousel" style="width: 600px;">

  <!-- Indicators/dots -->
  <div class="carousel-indicators">
    <button type="button" data-bs-target="#demo" data-bs-slide-to="0"
class="active"></button>
    <button type="button" data-bs-target="#demo" data-bs-slide-to="1"></button>
    <button type="button" data-bs-target="#demo" data-bs-slide-to="2"></button>
  </div>

  <!-- The slideshow/carousel -->
  <div class="carousel-inner">
    <div class="carousel-item active">
      <img src="image.png" alt="1" class="d-block w-100">
    </div>
    <div class="carousel-item">
      <img src="image2.png" alt="2" class="d-block w-100">
    </div>
```

```
<div class="carousel-item">
      <img src="image3.png" alt="3" class="d-block w-100">
    </div>
  </div>

  <!-- Left and right controls/icons -->
  <button class="carousel-control-prev" type="button" data-bs-target="#demo" data-bs-slide="prev">
    <span class="carousel-control-prev-icon"></span>
  </button>
  <button class="carousel-control-next" type="button" data-bs-target="#demo" data-bs-slide="next">
    <span class="carousel-control-next-icon"></span>
  </button>
</div>
```

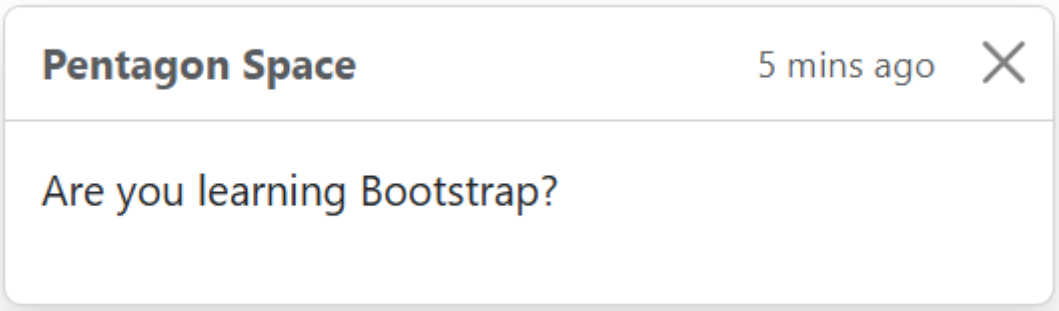
# MODAL




```
 <!-- Button to Open the Modal -->
<button type="button" class="btn btn-primary" data-bs-toggle="modal" data-bs-target="#Modal">
  Open modal
</button>

<!-- The Modal -->
<div class="modal fade" id="Modal">
  <div class="modal-dialog">
    <div class="modal-content">
      <!-- Modal Header -->
      <div class="modal-header">
        <h4 class="modal-title">John Milton M</h4>
        <button type="button" class="btn-close" data-bs-dismiss="modal"></button>

                                          </div>
```

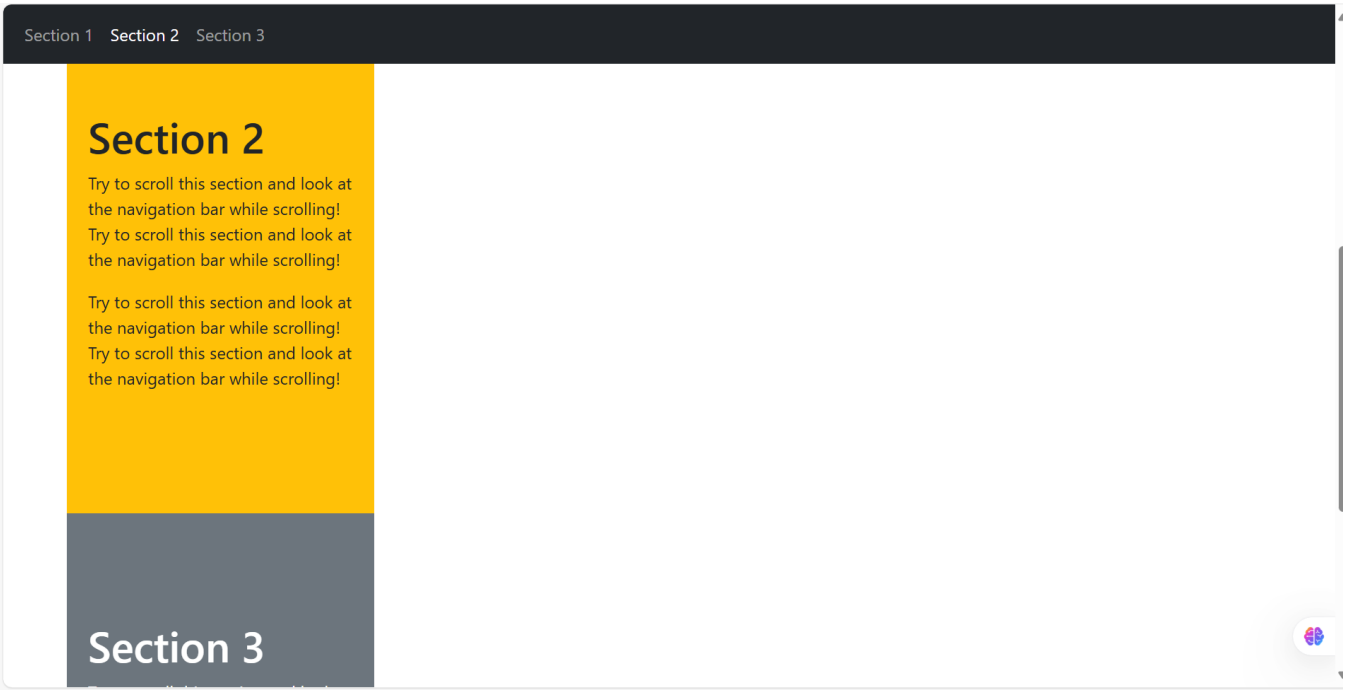
```
<!-- Modal body -->
      <div class="modal-body">
        Technical Trainer at Pentagon Space, specializing in web development and
design. Passionate about teaching and sharing knowledge with others.
      </div>

      <!-- Modal footer -->
      <div class="modal-footer">
        <button type="button" class="btn btn-danger" data-bs-
dismiss="modal">Close</button>
      </div>

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

# TOAST




```
<div class="ms-auto toast show" id="myToast">
    <div class="toast-header">
      <strong class="me-auto">Pentagon Space</strong>
      <small>5 mins ago</small>
      <button type="button" class="btn-close" data-bs-dismiss="toast"></button>
    </div>
    <div class="toast-body">
      <p>Are you learning Bootstrap?</p>
    </div>
  </div>
```

# SCROLLSPY

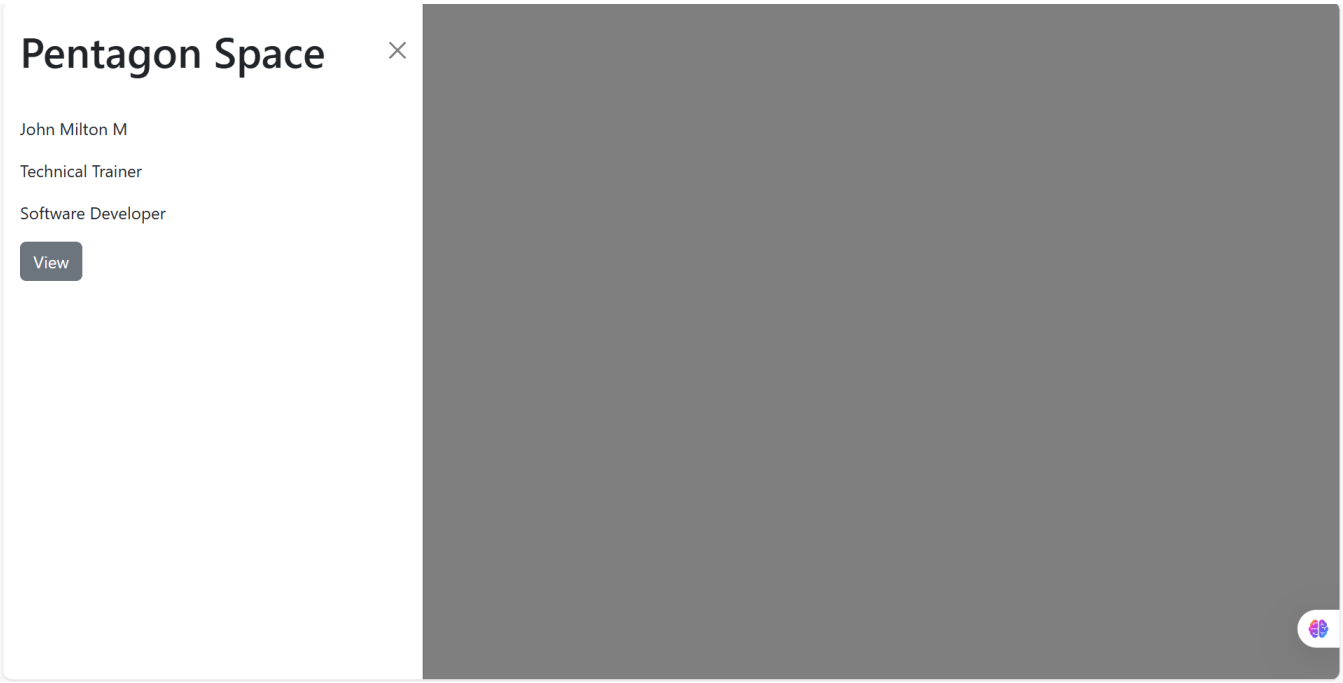



```
<div class="container m-5 w-25">

<div data-bs-spy="scroll" data-bs-target=".navbar" data-bs-offset="50">

<nav class="navbar navbar-expand-sm bg-dark navbar-dark fixed-top">
  <div class="container-fluid">
    <ul class="navbar-nav">
      <li class="nav-item">
        <a class="nav-link active" href="#section1">Section 1</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#section2">Section 2</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="#section3">Section 3</a>
      </li>
    </ul>
  </div>
</nav>
<div id="section1" class="container-fluid bg-success text-white" style="padding:100px
20px;">
  <h1>Section 1</h1>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to
scroll this section and look at the navigation bar while scrolling!</p>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to
scroll this section and look at the navigation bar while scrolling!</p>
</div>
```


John@pentagonspace.in

```
<div id="section2" class="container-fluid bg-warning" style="padding:100px 20px;">
  <h1>Section 2</h1>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to scroll this section and look at the navigation bar while scrolling!</p>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to scroll this section and look at the navigation bar while scrolling!</p>
</div>

<div id="section3" class="container-fluid bg-secondary text-white" style="padding:100px 20px;">
  <h1>Section 3</h1>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to scroll this section and look at the navigation bar while scrolling!</p>
  <p>Try to scroll this section and look at the navigation bar while scrolling! Try to scroll this section and look at the navigation bar while scrolling!</p>
</div>
</div>
  </div>
```

# SIDEBAR

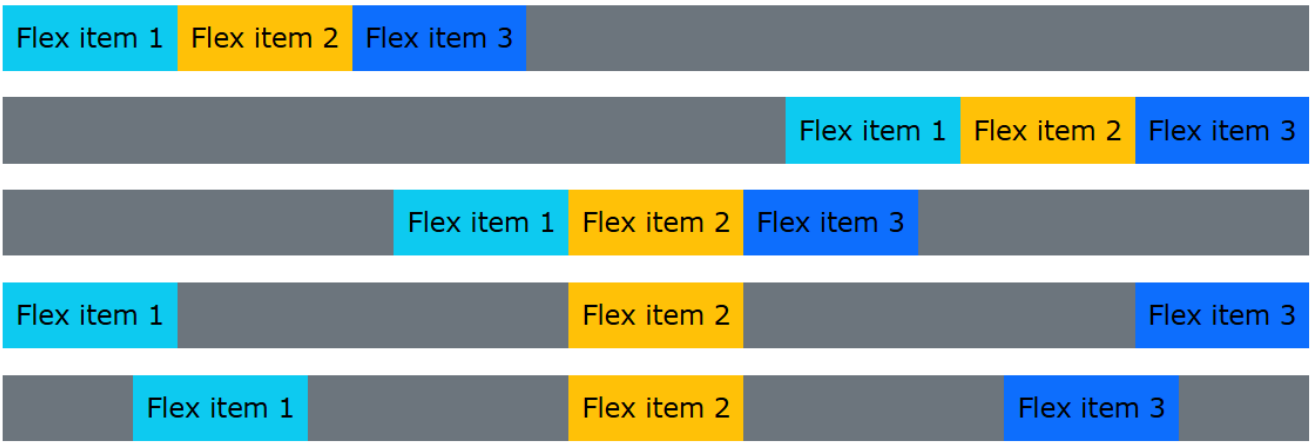


# FLEX

```
<div class="d-flex flex-row p-3 bg-secondary text-white">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>
</div>
```

```
<div class="d-flex flex-column-reverse">
  <div class="p-2 bg-info">Flex item 1</div>
  <div class="p-2 bg-warning">Flex item 2</div>
  <div class="p-2 bg-primary">Flex item 3</div>

                        </div>
```


John@pentagonspace.in




```
<div class="d-flex justify-content-start">...</div>
<div class="d-flex justify-content-end">...</div>
<div class="d-flex justify-content-center">...</div>
<div class="d-flex justify-content-between">...</div>
<div class="d-flex justify-content-around">...</div>
```

## BONUS :

## How to Activate Dark theme?

- Add `data-bs-theme="dark"` for any html block to give dark theme
- Add `data-bs-theme="dark"` inside body tag to give dark theme for entire web page