

Tables in Bootstrap :

- Bootstrap 5 tables display data in a grid format similar to row and column layouts. Using Bootstrap 5 tables, you can dramatically enhance the appearance of basic HTML tables. It is a user interface function to interact with user and system information.
- Bootstrap 5 table requires a table tag with the "table" class to get the default table format. The table includes table head and table body data using bootstrap 5 tags.

1. `.table` class - The `.table` class adds basic styling to a table:

```
<div class="container mt-3">
  <h2>Basic Table</h2>
  <table class="table">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ram</td>
        <td>Kumar</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr>
        <td>Rahul</td>
        <td>Kumar</td>
        <td>rahul@gmail.com</td>
      </tr>
      <tr>
        <td>Diya</td>
        <td>Kumar</td>
        <td>diya@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

Output :

Basic Table

Firstname	Lastname	Email
Ram	Kumar	ram@gmail.com
Rahul	Kumar	rahul@gmail.com
Diya	Kumar	diya@gmail.com

2. **.table-striped** - The **.table-striped** class adds zebra-stripes to a table.

```
<div class="container mt-3">
  <h2>Striped Table</h2>
  <table class="table table-striped">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ram</td>
        <td>Kumar</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr>
        <td>Rahul</td>
        <td>Kumar</td>
        <td>rahul@gmail.com</td>
      </tr>
      <tr>
        <td>Diya</td>
        <td>Kumar</td>
        <td>diya@gmail.com</td>
      </tr>
    </tbody>
  </table>
```

Output :

Striped Table

Firstname	Lastname	Email
Ram	Kumar	ram@gmail.com
Rahul	Kumar	rahul@gmail.com
Diya	Kumar	diya@gmail.com

3. **.table-bordered** : The **.table-bordered** class adds borders on all sides of the table and cells:

```
<div class="container mt-3">
  <h2>Bordered Table</h2>
  <table class="table table-bordered">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ram</td>
        <td>Kumar</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr>
        <td>Rahul</td>
        <td>Kumar</td>
        <td>rahul@gmail.com</td>
      </tr>
      <tr>
        <td>Diya</td>
        <td>Kumar</td>
        <td>diya@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

Output :

Bordered Table

Firstname	Lastname	Email
Ram	Kumar	ram@gmail.com
Rahul	Kumar	rahul@gmail.com
Diya	Kumar	diya@gmail.com

4. **.table-hover** - The **.table-hover** class adds a hover effect (grey background color) on table rows:

```
<div class="container mt-3">
  <h2>Table Hover</h2>
  <table class="table table-hover">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ram</td>
        <td>Kumar</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr>
        <td>Rahul</td>
        <td>Kumar</td>
        <td>rahul@gmail.com</td>
      </tr>
      <tr>
        <td>Diya</td>
        <td>Kumar</td>
        <td>diya@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

Output :

Table Hover

Firstname	Lastname	Email
Ram	Kumar	ram@gmail.com
Rahul	Kumar	rahul@gmail.com
Diya	Kumar	diya@gmail.com

5. **.table-dark** - The **.table-dark** class adds a black background to the table:



```
<div class="container mt-3">
  <h2>Table Dark</h2>
  <table class="table table-dark">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Ram</td>
        <td>Kumar</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr>
        <td>Rahul</td>
        <td>Kumar</td>
        <td>rahul@gmail.com</td>
      </tr>
      <tr>
        <td>Diya</td>
        <td>Kumar</td>
        <td>diya@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

Output :

Table Dark

Firstname	Lastname	Email
Ram	Kumar	ram@gmail.com
Rahul	Kumar	rahul@gmail.com
Diya	Kumar	diya@gmail.com

6. Contextual Classes : can be used to color the whole table (<table>), the table rows (<tr>) or table cells (<td>).

- The contextual classes that can be used are:

Class	Description
<code>.table-primary</code>	Blue: Indicates an important action
<code>.table-success</code>	Green: Indicates a successful or positive action
<code>.table-danger</code>	Red: Indicates a dangerous or potentially negative action
<code>.table-info</code>	Light blue: Indicates a neutral informative change or action
<code>.table-warning</code>	Orange: Indicates a warning that might need attention
<code>.table-active</code>	Grey: Applies the hover color to the table row or table cell
<code>.table-secondary</code>	Grey: Indicates a slightly less important action
<code>.table-light</code>	Light grey table or table row background
<code>.table-dark</code>	Dark grey table or table row background

```
<div class="container mt-3">
  <h2>Contextual Classes</h2>
  <table class="table">
    <thead>
      <tr>
        <th>Firstname</th>
        <th>Lastname</th>
        <th>Email</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Default</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-primary">
        <td>Primary</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-success">
        <td>Success</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-danger">
        <td>Danger</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-info">
        <td>Info</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-warning">
        <td>Warning</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-active">
        <td>Active</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-secondary">
        <td>Secondary</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-light">
        <td>Light</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
      <tr class="table-dark">
        <td>Dark</td>
        <td>Ram</td>
        <td>ram@gmail.com</td>
      </tr>
    </tbody>
  </table>
</div>
```

Output :

Contextual Classes

Firstname	Lastname	Email
Default	Ram	ram@gmail.com
Primary	Ram	ram@gmail.com
Success	Ram	ram@gmail.com
Danger	Ram	ram@gmail.com
Info	Ram	ram@gmail.com
Warning	Ram	ram@gmail.com
Active	Ram	ram@gmail.com
Secondary	Ram	ram@gmail.com
Light	Ram	ram@gmail.com
Dark	Ram	ram@gmail.com