

Bootstrap Grid Classes

- Grid is designed by using the classes
 - .row
 - .col
- They provide responsive grid design.

Defining a row: You can define a row in grid system by using the following classes.

Class Name	Description
.row	Single row
.row-cols-number	The number of columns in row.
.row-cols-sm-number	For small screen
.row-cols-md-number	For medium screen

Note: Row number can be defined only from 1 to 6.

Defining a column: You can define a column in grid system by using the following classes.

Class	Description
.col	It specifies a column
.col-sm	540px [mobile]
.col-md	720px [tab]
.col-lg	960px [laptop]
.col-xl	1140px [desktop]

Note: In a grid system you can defined columns range from 1 to 12 only.

col-3 30% of browser

col-9 70% of browser

col-12 100% of browser

You can use responsive according to device.

Col-sm-3

Col-lg-3

Col-md-3

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Demo</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/cs
s/bootstrap.css">
```

```
    <style>
```

```
      .col-3 {
```

```
        border-right: 2px solid;
    }
    .col-2{
        border-right: 2px dotted;
    }
</style>
</head>
<body class="container-fluid">
    <h2>Product Details</h2>
    <dl class="row">
        <dt class="col-2">Name</dt>
        <dd class="col-10">Samsung
TV</dd>
        <dt class="col-2">Price</dt>
        <dd class="col-10">&#8377;
45600.44</dd>
        <dt class="col-2">Stock</dt>
```

```
<dd class="col-10">Available</dd>
<dt class="col-2">Shipped To</dt>
<dd class="col-10">Delhi</dd>
</dl>
```

```
<div class="row">
  <div class="col-3">
```

```
    <p class="text-
justify">Depending on how you obtained
the Windows software, this is a license
agreement between (i) you and the device
manufacturer or software installer that
distributes the software with your device;
or (ii) you and Microsoft Corporation (or,
based on where you live or, if a business,
where your principal place of business is
located, one of its affiliates) if you
acquired the software from a retailer.</p>
```

```
</div>
```

<div class="col-9">

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live

or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

<p>Depending on how you obtained the Windows software, this is a license agreement between (i) you and the device manufacturer or software installer that distributes the software with your device; or (ii) you and Microsoft Corporation (or, based on where you live or, if a business, where your principal place of business is located, one of its affiliates) if you acquired the software from a retailer.</p>

</div>

</div>

</body>

</html>

Ex: Layout with rows and cols

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Layout</title>
```

```
    <link rel="stylesheet"
href=" ../node_modules/bootstrap/dist/cs
s/bootstrap.css">
```

```
    <link rel="stylesheet"
href=" ../Fonts/css/all.css">
```

```
  <style>
```

```
    .container-fluid {
      width: 90%;
    }
```

```
    #header, #footer {
      background-color: darkcyan;
      color:white;
```



```
        text-align: center;
    }

    #section {
        height: 500px;
    }

    .col-2{
        border-right: 3px solid darkcyan;
    }
</style>
</head>
<body class="container-fluid">
    <div class="row" id="header">
        <div class="col">
            <h1><span class="fa fa-shopping-
cart"></span> Amazon Shopping</h1>
        </div>
```

```
</div>
```

```
<div class="row" id="section">
```

```
  <div class="col-2">
```

```
    <ul>
```

```
      <li>Home</li>
```

```
      <li>Electronics</li>
```

```
      <li>Footwear</li>
```

```
    </ul>
```

```
  </div>
```

```
  <div class="col-7">
```

```
    <h2>Amazon Home</h2>
```

```
    
```

```
    
```

```
        
```

```
    </div>
```

```
    <div class="col-3">
```

```
        <h2>Your Cart Summary</h2>
```

```
        <dl class="row">
```

```
            <dt class="col-sm-4">Total
Items</dt>
```

```
            <dd class="col-sm-8">3</dd>
```

```
            <dt class="col-sm-4">Total
Amount</dt>
```

```
            <dd class="col-sm-8">&#8377;
4500.00</dd>
```


```
        </dl>
```

```
    </div>
```

```
</div>
```


```
<div class="row" id="footer">
```

```
<div class="col">
  <div class="text-center">
    &copy; copyright 2020
  </div>
</div>
</div>
</body>
</html>
```

 Amazon Shopping

- Home
- Electronics
- Footwear

Amazon Home



Your Cart Summary

Total	3
Items	
Total	₹ 4500.00
Amount	

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Bootstrap Colors

- Bootstrap provides pre-defined class for background, foreground, border.
- The bootstrap contextual colors:
 - Primary
 - Secondary
 - Dark
 - Light
 - Success
 - Warning
 - Danger
 - Info etc.
- If you want color for text (foreground) you can use “text-contextual”
 - .text-primary
 - .text-secondary
 - .text-dark

- .text-success etc.
- If you want color for background you can use “bg-contextual”
 - .bg-primary
 - .bg-secondary
 - .bg-dark
 - .bg-danger etc.
- If you want color for border you can use “border-contextual”
 - .border-primary
 - .border-danger etc.

Syntax:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Colors</title>
```

```
    <link rel="stylesheet"
href="../node_modules/bootstrap/dist/cs
s/bootstrap.css">
```

```
<style>
  #box {
    margin-top: 10px;
  }
</style>
</head>
<body class="container-fluid">
  <div class="text-
primary">Primary</div>
  <div class="text-
secondary">Secondary</div>
  <div class="text-dark">Dark</div>
  <div class="text-
warning">Warning</div>
  <div class="text-
danger">Danger</div>
  <h2>Backgrounds</h2>
```

```
<div class="text-light">
```

```
<div class="bg-  
primary">Primary</div>
```

```
<div class="bg-  
secondary">Secondary</div>
```

```
<div class="bg-dark">Dark</div>
```

```
<div class="bg-  
warning">Warning</div>
```

```
<div class="bg-danger">Danger</div>
```

```
</div>
```

```
<h2>Borders</h2>
```

```
<div class="text-primary">
```

```
<div id="box" class="border border-  
primary">Primary</div>
```

```
<div id="box" class="border border-  
secondary">Secondary</div>
```



```
<div id="box" class="border border-dark">Dark</div>
```

```
<div id="box" class="border border-warning">Warning</div>
```

```
<div id="box" class="border border-danger">Danger</div>
```

```
</div>
```

```
</body>
```

```
</html>
```

Ex:

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<title>Layout</title>
```

```
<link rel="stylesheet"
href="../node_modules/bootstrap/dist/css/bootstrap.css">
```

```
<link rel="stylesheet"
href="../Fonts/css/all.css">
```

```
<style>
```

```
.container-fluid {
    width: 90%;
}
```

```
#section {
    height: 500px;
}
```

```
.col-2{
    border-right: 3px solid darkcyan;
}
```

```
</style>
```

```
</head>
```

```
<body class="container-fluid">
```

```
<div class="row bg-info text-light text-center border border-danger"
```

```
id="header">
```

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

```
<h1><span class="fa fa-shopping-cart"></span> Amazon Shopping</h1>
```

```
</div>
```

```
</div>
```

```
<div class="row" id="section">
```

```
<div class="col-2">
```

```
<ul>
```

```
<li>Home</li>
```

```
<li>Electronics</li>
```

```
<li>Footwear</li>
```

```
</ul>
```

```
</div>
```

```
<div class="col-7">
```

<h2>Amazon Home</h2>

</div>

<div class="col-3">

<h2>Your Cart Summary</h2>

<dl class="row">

<dt class="col-sm-4">Total
Items</dt>

<dd class="col-sm-8">3</dd>

<dt class="col-sm-4">Total
Amount</dt>

```
        <dd class="col-sm-8">&#8377;
4500.00</dd>
    </dl>
</div>
</div>
<div class="row" id="footer">
    <div class="col">
        <div class="bg-info text-light text-
center">
            &copy; copyright 2020
        </div>
    </div>
</div>
</body>
</html>
```