Bootstrap Grid System | Cheat Sheet

1. Column Wrapping

When we place more than 12 grid columns in a single row, the extra grid columns will wrap in a new line.

Try out the different combinations of Bootstrap class names like **col-4, col-4, col-6, col-6 and col-6, c ol-4, col-6, col-4,** etc. in the below Code Playground.

Sample html code for example-1

<!DOCTYPE html>

<html>

  <head>

    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous"/>

    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>

    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js" integrity="sha384-9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk7lN" crossorigin="anonymous"></script>

```html
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap
.min.js" integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMM
V+rV" crossorigin="anonymous"></script>

<style>

@import
url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Cave
at:wght@400;700&family=Lobster&family=Monoton&family=Open+Sa
ns:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,
wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,7
00;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=S
ource+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,
wght@0,400;0,700;1,700&display=swap");


.heading {
  font-size: 24px;
  font-weight: bold;
}


</style>
</head>
  <body>
    <div class="container">
```

```html
<div class="row">
  <div class="col-6">
    <h1 class="heading">Taj Mahal</h1>
    <p>The Taj Mahal is on the southern bank of the river Yamuna.</p>
  </div>
  <div class="col-6">
    <h1 class="heading">Mysore Palace</h1>
    <p>
      The Mysore Palace is a historical palace and the royal residence at
      Mysore.
    </p>
  </div>
  <div class="col-6">
    <h1 class="heading">Golden Temple</h1>
    <p>The Golden Temple is a gurdwara located in the city of Amritsar.</p>
  </div>
  <div class="col-6">
    <h1 class="heading">Varanasi</h1>
    <p>Varanasi is also known as Benares or Kashi. It is a city located on the bank of the river Ganges in Uttar Pradesh.</p>
```
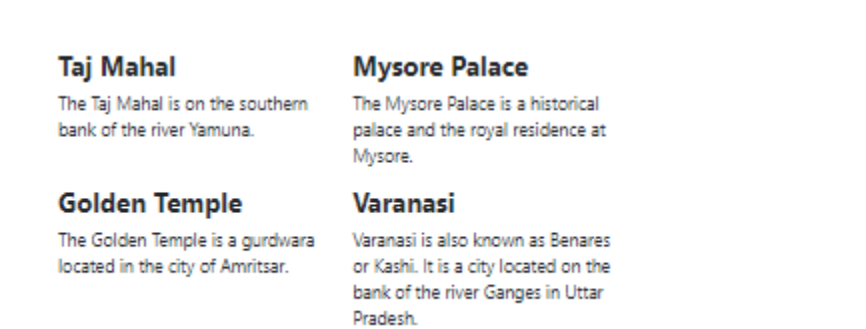
```
        </div>
      </div>
    </div>
  </body>
</html>
```

Taj Mahal

The Taj Mahal is on the southern bank of the river Yamuna.

Mysore Palace

The Mysore Palace is a historical palace and the royal residence at Mysore.

Golden Temple

The Golden Temple is a gurdwara located in the city of Amritsar.

Varanasi

Varanasi is also known as Benares or Kashi. It is a city located on the bank of the river Ganges in Uttar Pradesh.

2. The Layout at different Breakpoints

Bootstrap provides different Bootstrap Grid Column class name prefixes for Five Responsive Tiers (Responsive Breakpoints).

Device	Device Size (Width)	Class Name Prefix
Extra small devices	<576px	col-
Small devices	>=576px	col-sm-
Medium devices	>=768px	col-md-
Large devices	>=992px	col-lg-
Extra large devices	>=1200px	col-xl-

If we define the behavior of the Bootstrap Grid Column in a particular device, similar behavior is guaranteed in all devices with larger sizes.

<div class="container">

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

   <div class="col-6">

    <h1 class="heading">Taj Mahal</h1>

    <p>The Taj Mahal is on the southern bank of the river Yamuna.</p>

   </div>

  </div>

 </div>
```

2.1 Class names in combination

We can use a combination of different Bootstrap class names for each Bootstrap Grid Column.

Try out the combinations of different Bootstrap class names like col-lg-4, col-lg-3, col-lg-8, etc. in the below Code.

```html
<!DOCTYPE html>

<html>

 <head>

  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" crossorigin="anonymous"/>

  <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj" crossorigin="anonymous"></script>
```

```html
    <script
src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.
min.js" integrity="sha384-
9/reFTGAW83EW2RDu2S0VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu7
35Sk7lN" crossorigin="anonymous"></script>

    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap
.min.js" integrity="sha384-
B4gt1jrGC7Jh4AgTPSdUtOBvfO8shuf57BaghqFfPlYxofvL8/KUEfYiJOMM
V+rV" crossorigin="anonymous"></script>

 <style>

@import
url("https://fonts.googleapis.com/css2?family=Bree+Serif&family=Cave
at:wght@400;700&family=Lobster&family=Monoton&family=Open+Sa
ns:ital,wght@0,400;0,700;1,400;1,700&family=Playfair+Display+SC:ital,
wght@0,400;0,700;1,700&family=Playfair+Display:ital,wght@0,400;0,7
00;1,700&family=Roboto:ital,wght@0,400;0,700;1,400;1,700&family=S
ource+Sans+Pro:ital,wght@0,400;0,700;1,700&family=Work+Sans:ital,
wght@0,400;0,700;1,700&display=swap");


.heading {

 font-size: 24px;

 font-weight: bold;

}

</style>

</head>
```

```html
<body>
  <div class="container">
    <div class="row">
      <div class="col-12 col-lg-6">
        <h1 class="heading">Taj Mahal</h1>
        <p>The Taj Mahal is on the southern bank of the river Yamuna.</p>
      </div>
      <div class="col-12 col-lg-6">
        <h1 class="heading">Mysore Palace</h1>
        <p>
          The Mysore Palace is a historical palace and the royal residence at
          Mysore.
        </p>
      </div>
      <div class="col-12 col-lg-6">
        <h1 class="heading">Golden Temple</h1>
        <p>The Golden Temple is a gurdwara located in the city of Amritsar.</p>
      </div>
      <div class="col-12 col-lg-6">
        <h1 class="heading">Varanasi</h1>
```

```
    <p>Varanasi is also known as Benares or Kashi. It is a city located
on the bank of the river Ganges in Uttar Pradesh.</p>

    </div>

   </div>

  </div>

 </body>

</html>
```

Output for small screen devices

Taj Mahal

The Taj Mahal is on the southern bank of the river Yamuna.

Mysore Palace

The Mysore Palace is a historical palace and the royal residence at Mysore.

Golden Temple

The Golden Temple is a gurdwara located in the city of Amritsar.

Varanasi

Varanasi is also known as Benares or Kashi. It is a city located on the bank of the river Ganges in Uttar Pradesh.

Out put for large devices screens

Taj Mahal

The Taj Mahal is on the southern bank of the river Yamuna.

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The Mysore Palace is a historical palace and the royal at Mysore.

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The Golden Temple is a gurdwara located in the city of Amritsar.

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