

Quick Bootstrap Revision (Grid Basics)

Bootstrap's grid system is one of its most important features. It helps create responsive layouts without writing much CSS.

Step 1: Create an HTML File

Open Notepad or VS Code and create:

```
bootstrap-grid.html
```

Step 2: Add Bootstrap CDN

Paste this code:

```
<!DOCTYPE html>
<html>
<head>
  <title>Bootstrap Grid</title>

  <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
  rel="stylesheet">
</head>
<body>

<h1>Bootstrap Loaded Successfully</h1>

</body>
</html>
```

Step 3: Save the File

Save as:

```
bootstrap-grid.html
```

Step 4: Run the File

Double-click:

```
bootstrap-grid.html
```

or open it in Chrome/Edge.

If you see:

```
Bootstrap Loaded Successfully
```

Bootstrap is working.

Bootstrap Grid System

Bootstrap divides the page into:

```
12 Columns
```

Example:

```
|1|2|3|4|5|6|7|8|9|10|11|12|
```

You combine columns to create layouts.

<https://getbootstrap.com/docs/5.3/layout/grid/>

Important Grid Structure:-

Every grid follows:-

```
<html>
```

```
<head>
```

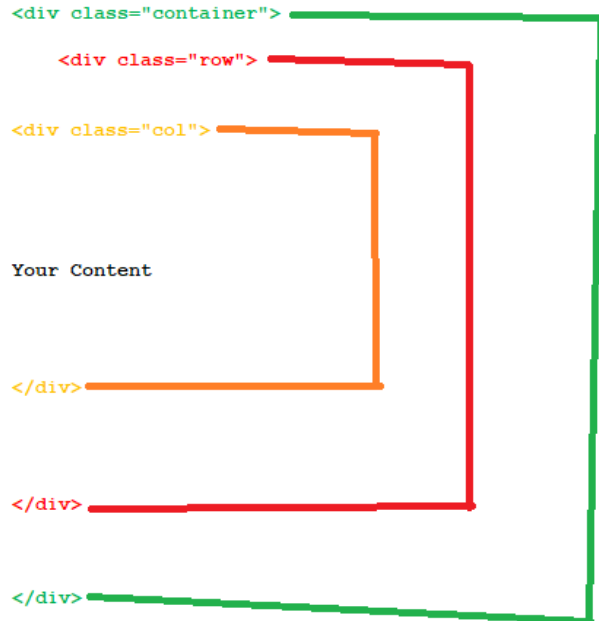
```
<link
```

```
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
```

```
rel="stylesheet">
```

```
</head>
```

```
<body>
```



```
</body>
```

```
</html>
```

Meaning:-

Class	Purpose
container	Main wrapper
row	Horizontal row
col	Column inside row

Example 1: Two Equal Columns

```
<!DOCTYPE html>
<html>
<head>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css
"
rel="stylesheet">
</head>

<body>

<div class="container">

  <div class="row">

    <div class="col-6 bg-primary text-white">
      Left Side
    </div>

    <div class="col-6 bg-success text-white">
      Right Side
    </div>

  </div>

</div>

</body>
</html>
```

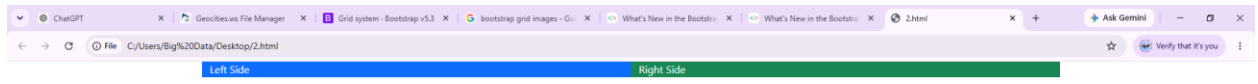
Explanation

6 + 6 = 12

Each column takes 50% width.

Layout:

| Left | Right |



Activate Windows
Go to Settings to activate Windows.



Example 2: Three Equal Columns

```
<div class="container">
  <div class="row">
    <div class="col-4 bg-danger">
      Column 1
    </div>
    <div class="col-4 bg-warning">
      Column 2
    </div>
    <div class="col-4 bg-info">
      Column 3
    </div>
  </div>
</div>
```

Explanation

$4 + 4 + 4 = 12$

Output:

```
-----
| Col1 | Col2 | Col3 |
-----
```

Browser tabs: ChatGPT, Geodlies.wa File Manager, Grid system - Bootstrap v5.3, bootstrap grid images - G..., What's New in the Bootstrap..., What's New in the Bootstrap..., 2.html

Address bar: File C:/Users/Big%20Data/Desktop/2.html

Page content: Column 1 (red), Column 2 (yellow), Column 3 (cyan)

Language menu: Polish, English, X, Google Translate

Activate Windows
Go to Settings to activate Windows.

Windows taskbar: Search (Type here to search), Task View, File Explorer, Edge, Chrome, Firefox, Word, PowerPoint, OneDrive, Settings, Task View, System tray (Volume, Network, 3:32 PM, 6/13/2026)

Example 3: Unequal Columns

```
<div class="container">
  <div class="row">
    <div class="col-8 bg-primary text-white">
      Main Content
    </div>
    <div class="col-4 bg-secondary text-white">
      Sidebar
    </div>
  </div>
</div>
```

Explanation

$8 + 4 = 12$

Output:

```
-----
| Main Content | Sidebar |
-----
```



Activate Windows
Go to Settings to activate Windows.



Responsive Grid

Bootstrap can change layout based on screen size.

Example

```
<div class="container">
  <div class="row">
    <div class="col-md-6 bg-primary text-white">
      Left
    </div>
    <div class="col-md-6 bg-success text-white">
      Right
    </div>
  </div>
</div>
```

Explanation

md means medium screens and above.

On desktop:

Left | Right

On mobile:

Left
Right

Responsive Sizes

Class	Screen Size
col-sm	Small
col-md	Medium
col-lg	Large
col-xl	Extra Large

Example:

```
<div class="col-sm-12 col-md-6">
```

Mobile:

Full Width

Desktop:

Half Width

Example 4: Four Boxes

```
<!DOCTYPE html>
<html>
<head>
<link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>

<body>

<div class="container mt-5">

  <div class="row">

    <div class="col-3 bg-primary text-white">
      Box 1
    </div>

    <div class="col-3 bg-success text-white">
      Box 2
    </div>

    <div class="col-3 bg-danger text-white">
      Box 3
    </div>

    <div class="col-3 bg-dark text-white">
      Box 4
    </div>

  </div>

</div>

</body>
</html>
```

Explanation

$3 + 3 + 3 + 3 = 12$

Four equal columns.

Useful Bootstrap Classes

Margin Top

mt-5

Adds top margin.

Padding

p-3

Adds padding on all sides.

Text Color

text-white

White text.

Background Color

bg-primary
bg-success
bg-danger
bg-warning
bg-info
bg-dark

Bootstrap Grid Revision Summary

Remember this pattern:

```
<div class="container">  
  <div class="row">  
    <div class="col-6">  
      Column 1
```

```
</div>

<div class="col-6">
  Column 2
</div>

</div>

</div>
```

Key Formula

Container
↓
Row
↓
Columns

Grid Math

12 Columns Total

12
6 + 6
4 + 4 + 4
8 + 4
3 + 3 + 3 + 3