ZERO TO HERO WEB DEV

TOPIC 3: BOOTSTRAP 5

PPIT Shenzhen 2022

1

APA ITU BOOTSTRAP?

Build fast, responsive sites with Bootstrap

Powerful, extensible, and feature-packed frontend toolkit. Build and customize with Sass, utilize prebuilt grid system and components, and bring projects to life with powerful JavaScript plugins.

```
$ npm i bootstrap@5.2.0-beta1
```

Read the docs

Currently **v5.2.0-beta1** · Download · v4.6.x docs · All releases

APA ITU BOOTSTRAP?

BOOTSTRAP ADALAH SEBUAH **FRAMEWORK / TEMPLATE** YANG MEMBANTU **WEB DEVELOPERS** DENGAN CARA MENGHAPUS KEBUTUHAN UNTUK MENULIS **CSS** DAN **JAVASCRIPT** UNTUK **KOMPONEN UMUM** SEPERTI BUTTONS, CAROUSEL, NAVBAR, DLL.

BOOTSTRAP JUGA MEMBERIKAN STRUKTUR KEPADA SEBUAH WEBSITE DAN MEMBANTU SUPAYA LEBIH MUDAH UNTUK DIOPTIMALKAN UNTUK **MOBILE DEVICES**

APA YANG BISA DILAKUKAN BOOTSTRAP?

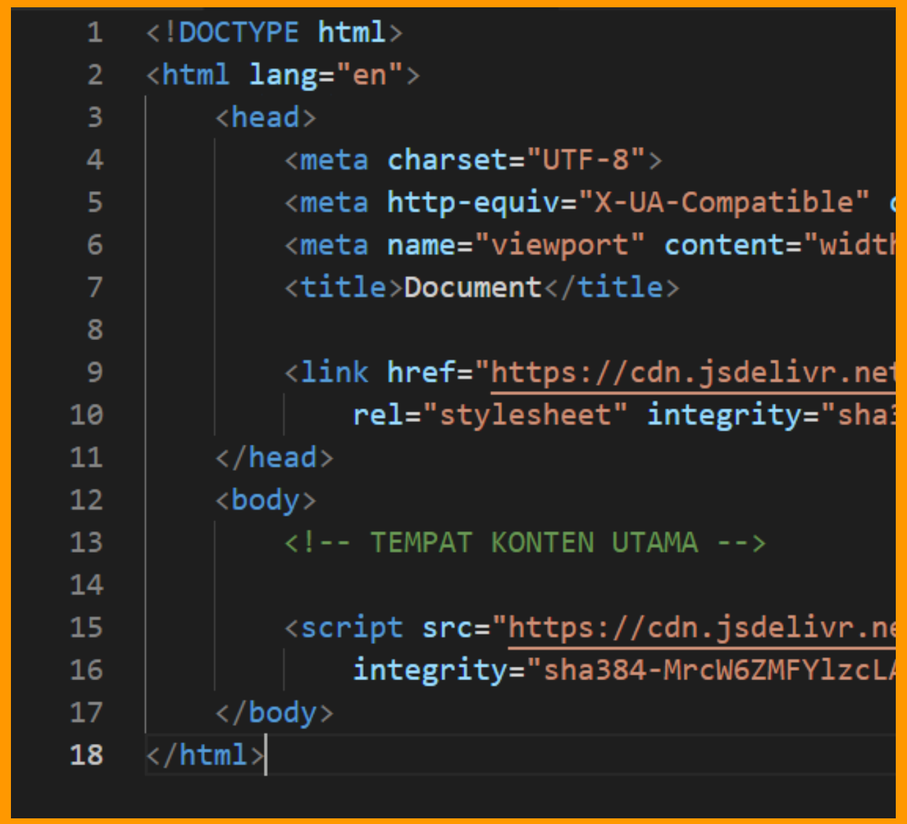
MEMBERIKAN STRUKTUR DAN MEMBANTU DALAM PROSES MOBILE OPTIMIZATION

MENGHAPUS KEBUTUHAN UNTUK PEMOGRAMAN KOMPONEN UMUM WEBSITE

100% MENGHAPUS KEBUTUHAN UNTUK MENGETIK CSS DAN JAVASCRIPT UNTUK PERSONALISASI

2

INSTALASI
- BOOTSTRAP CSS & JAVASCRIPT



bootstrap 5

Semua Video Berita Gambar Buku Lainnya Alat

Sekitar 1.630.000.000 hasil (0,40 detik)

Kiat: Telusuri hasil dalam bahasa **Indonesia** saja. Anda dapat menentukan bahasa penelusuran di Preferensi

https://getbootstrap.com › 5.0 ▾ Terjemahkan halaman ini

Introduction · Bootstrap v5.0

Get started with **Bootstrap**, the world's most popular framework for building responsive, mobile-first sites, with jsDelivr and a template starter page.

Download · Examples · Navbar · Contents

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HTML5 doctype
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Reboot
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Quick start

Looking to quickly add Bootstrap to your project? Use jsDelivr, a free open source CDN. Using a package manager or need to download the source files? Head to the downloads page.

CSS

Copy-paste the stylesheet `<link>` into your `<head>` before all other stylesheets to load our CSS.

```
<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet
```

Copy

JS

Many of our components require the use of JavaScript to function. Specifically, they require our own JavaScript plugins and Popper. Place **one of the following `<script>`s** near the end of your pages, right before the closing `</body>` tag, to enable them.

Bundle

Include every Bootstrap JavaScript plugin and dependency with one of our two bundles. Both `bootstrap.bundle.js` and `bootstrap.bundle.min.js` include Popper for our tooltips and popovers. For more information about what's included in Bootstrap, please see our contents section.

```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integri
```

Copy

1

COPY LINK TAG UNTUK CSS BOOTSTRAP 5 KE DALAM <HEAD> TAGS DI FILE HTML

2

COPY SCRIPT TAG UNTUK JAVASCRIPT BOOTSTRAP 5 KE BAGIAN TERAKHIR SEBELUM PENUTUP <BODY> ELEMENT DI FILE HTML

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta http-equiv="X-UA-Compatible" content="IE=edge">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
        <title>Document</title>

        <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
            rel="stylesheet" integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC" crossorigin="anonymous">
    </head>
    <body>
        <!-- TEMPAT KONTEN UTAMA -->

        <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
            integrity="sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM" crossorigin="anonymous"></script>
    </body>
</html>
```

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```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js" integri
```

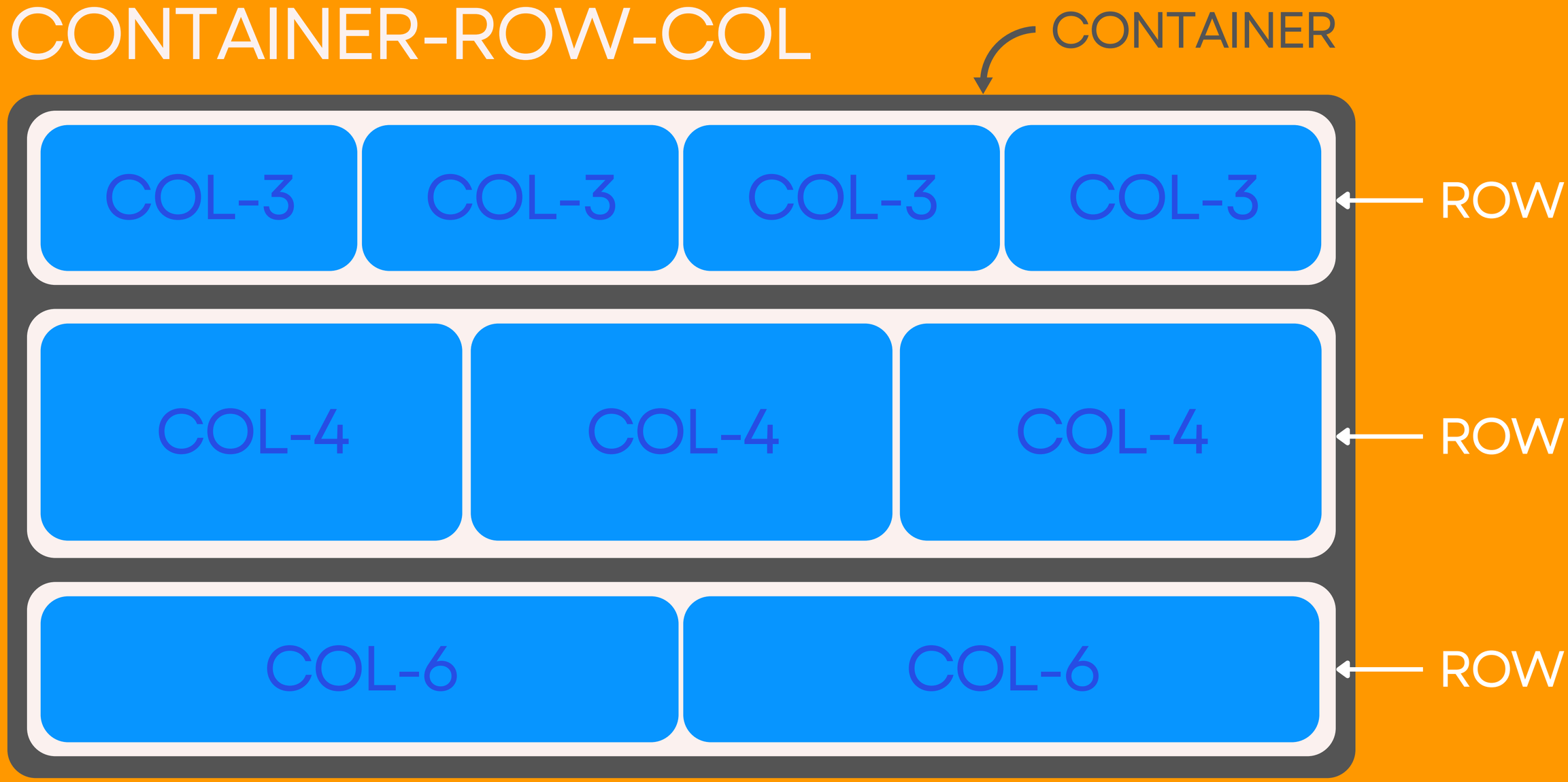
Copy

LINK YANG SAMA BISA DIPAKAI SEBAGAI **REFERENSI** UNTUK MEMPELAJARI BOOTSTRAP 5 SECARA **LEBIH DETIL**

3

STRUKTUR BOOTSTRAP

CONTAINER-ROW-COL



MARGIN CLASS

FORMAT m{arah}-{kuantitas}

CONTOH mt-3 berarti margin atas 16px
m-0 berarti margin semua arah 0px
mx-5 berarti margin samping 32px

ARAH

1. ' ' - SEMUA ARAH
2. X - HORIZONTAL
3. Y - VERTICAL
4. S - START - KIRI
5. T - TOP - ATAS
6. E - END - KANAN
7. B - BOTTOM - BAWAH

KUANTITAS

1. 0 - 0.00REM - 0PX
2. 1 - 0.25REM - 4PX
3. 2 - 0.50REM - 8PX
4. 3 - 1.00REM - 16PX
5. 4 - 1.50 REM - 24PX
6. 5 - 3.00REM - 48PX

PADDING CLASS

FORMAT p{arah}-{kuantitas}

CONTOH pt-3 berarti padding atas 16px
p-0 berarti padding semua arah 0px
px-5 berarti padding samping 32px

ARAH

1. ' ' - SEMUA ARAH
2. X - HORIZONTAL
3. Y - VERTICAL
4. S - START - KIRI
5. T - TOP - ATAS
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1. 0 - 0.00REM - 0PX
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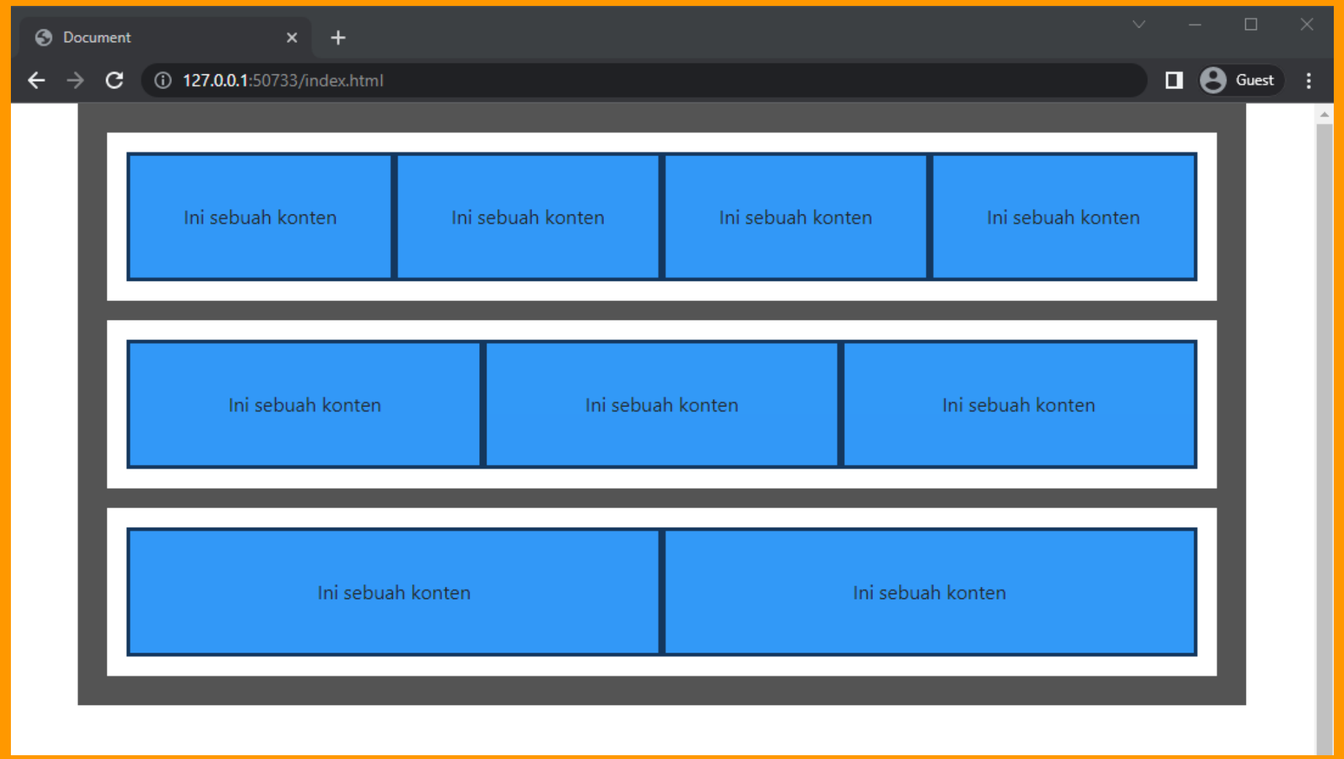
6. 5 - 3.00REM - 48PX



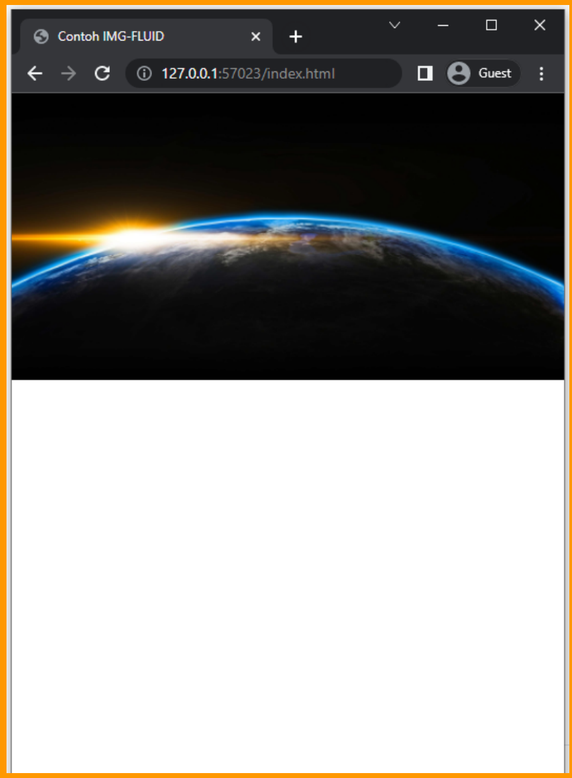

```
<div class="container-lg p-4">
    <div class="row mx-0">
        <div class="col col-3">Ini sebuah konten</div>
        <div class="col col-3">Ini sebuah konten</div>
        <div class="col col-3">Ini sebuah konten</div>
        <div class="col col-3">Ini sebuah konten</div>
    </div>
    <div class="row mx-0 my-3">
        <div class="col col-4">Ini sebuah konten</div>
        <div class="col col-4">Ini sebuah konten</div>
        <div class="col col-4">Ini sebuah konten</div>
    </div>
    <div class="row mx-0">
        <div class="col col-6">Ini sebuah konten</div>
        <div class="col col-6">Ini sebuah konten</div>
    </div>
</div>
```

4

CLASS UMUM BOOTSTRAP

CLASS: "IMG-FLUID"

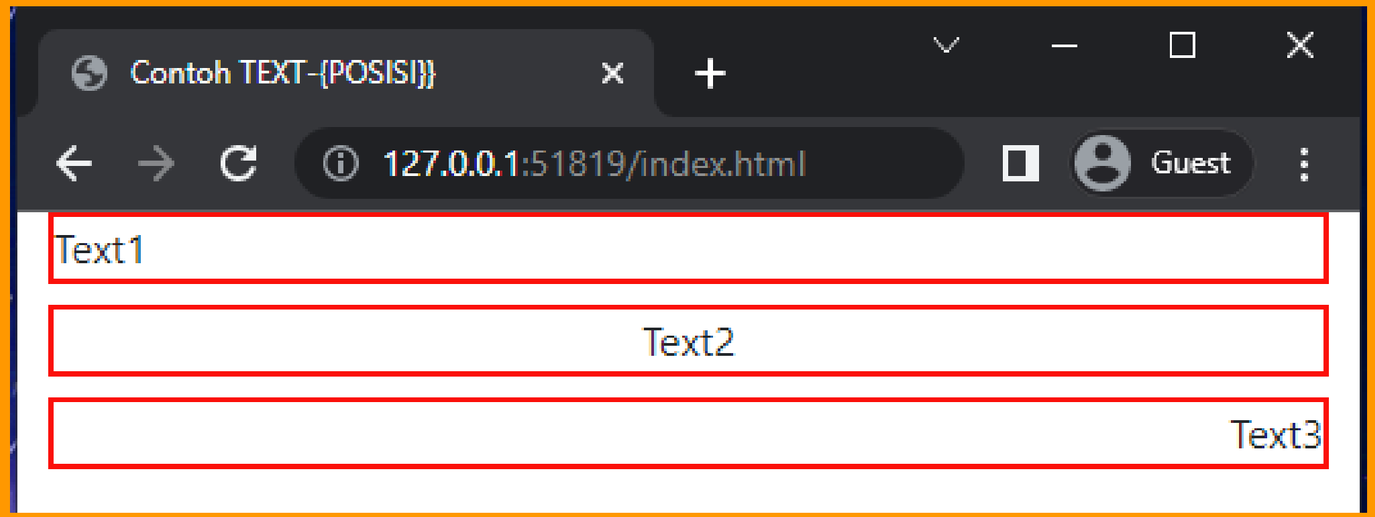
```
<img class="img-fluid" src="./contoh.jpg">
```



CLASS: "TEXT-{POSISI}"

POSISI
- start
- center
- end

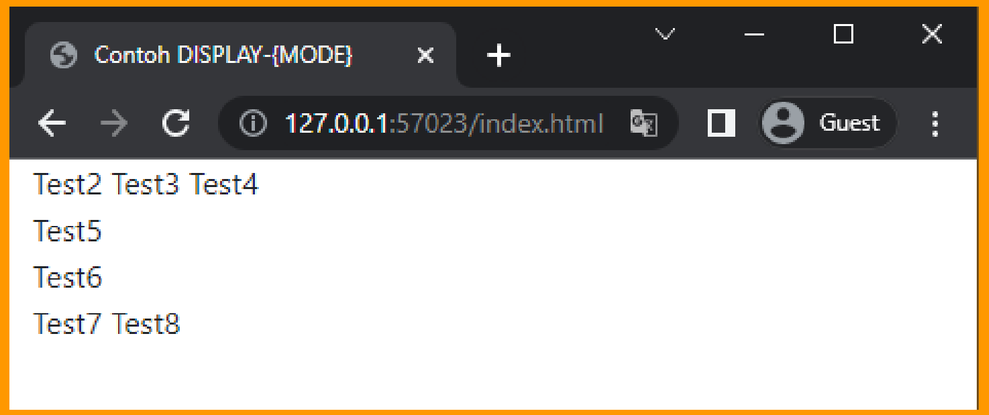
```
<div class="container-xxl">
    <div class="border mb-2 text-start">Text1</div>
    <div class="border mb-2 text-center">Text2</div>
    <div class="border text-end">Text3</div>
</div>
```



CLASS: "DISPLAY-{MODE}"

MODE
- none
- inline
- inline-block
- block
- grid
- table
- table-cell
- table-row
- flex
- inline-flex

```
<div class="container-xxl">
    <div class="d-none">Test1</div>
    <div class="d-inline">Test2</div>
    <div class="d-inline">Test3</div>
    <div class="d-inline">Test4</div>
    <div class="d-block">Test5</div>
    <div class="d-block">Test6</div>
    <div class="d-inline">Test7</div>
    <div class="d-inline">Test8</div>
</div>
```



SISTEM BREAKPOINTS BOOTSTRAP

Breakpoints digunakan untuk membedakan style sesuai **ukuran layar**, seperti **"@media"** rule pada css

Available breakpoints

Bootstrap includes six default breakpoints, sometimes referred to as *grid tiers*, for building responsively. These breakpoints can be customized if you're using our source Sass files.

Breakpoint	Class infix	Dimensions
X-Small	*None*	<576px
Small	`sm`	≥576px
Medium	`md`	≥768px
Large	`lg`	≥992px
Extra large	`xl`	≥1200px
Extra extra large	`xxl`	≥1400px

SISTEM BREAKPOINTS BOOTSTRAP

SETIAP CLASS AKAN MENGUBAH SIFAT UNTUK UKURAN LEBIH BESAR DARI BREAKPOINT CLASS. SELALU MULAI DI BREAKPOINT XS (TANPA PREFIX).

CONTOH:
<DIV CLASS="D-NONE D-MD-BLOCK D-XL-INLINE"></DIV>
NONE DARI XS SAMPAI MD, BLOCK DI MD SAMPAI XL, INLINE DIATAS XL

<DIV CLASS="TEXT-CENTER TEXT-LG-START"></DIV>
TEKS DI TENGAH SAMPAI LG, ALIGN KE KIRI UNTUK UKURAN DIATAS LG

PENGGUNAAN UMUM:

- **XS TO MD** = MOBILE
- **MD TO XL** = TABLET
- **XL++** = DESKTOP

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KOMPONEN UMUM BOOTSTRAP

KOMPONEN: BUTTON

Copy

```
<button type="button" class="btn btn-primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```

KOMPONEN: BUTTON

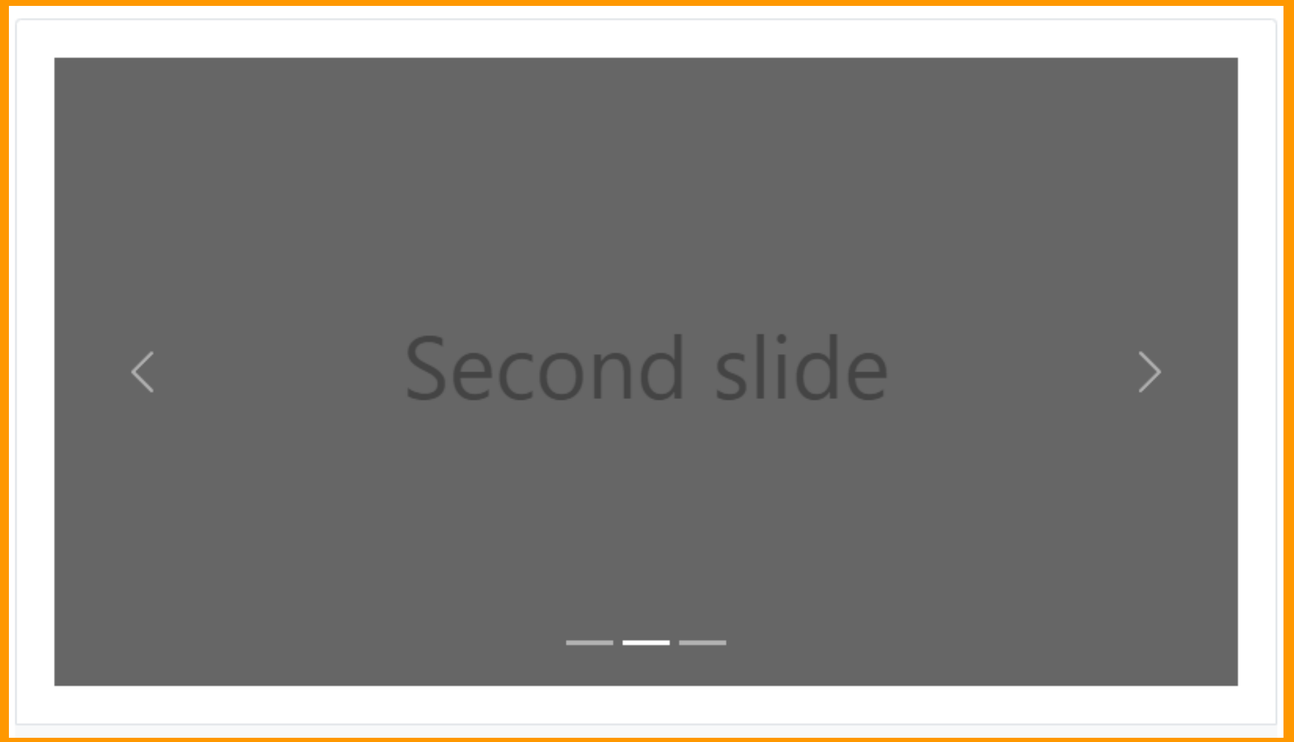
Copy

```
<button type="button" class="btn btn-outline-primary">Primary</button>
<button type="button" class="btn btn-outline-secondary">Secondary</button>
<button type="button" class="btn btn-outline-success">Success</button>
<button type="button" class="btn btn-outline-danger">Danger</button>
<button type="button" class="btn btn-outline-warning">Warning</button>
<button type="button" class="btn btn-outline-info">Info</button>
<button type="button" class="btn btn-outline-light">Light</button>
<button type="button" class="btn btn-outline-dark">Dark</button>
```

KOMPONEN: BUTTON

KOMPONEN: CAROUSEL

```
<div id="carouselID" class="carousel slide" data-bs-ride="carousel">
    <div class="carousel-indicators">
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="0" class="active"></button>
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="1"></button>
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="2"></button>
    </div>
    <div class="carousel-inner">
        <div class="carousel-item active">
            {KONTEN 1}
        </div>
        <div class="carousel-item">
            {KONTEN 2}
        </div>
        <div class="carousel-item">
            {KONTEN 3}
        </div>
    </div>
    <button class="carousel-control-prev" type="button" data-bs-target="#carouselID" data-bs-slide="prev">
        Button Mundur
    </button>
    <button class="carousel-control-next" type="button" data-bs-target="#carouselID" data-bs-slide="next">
        Button Maju
    </button>
</div>
```



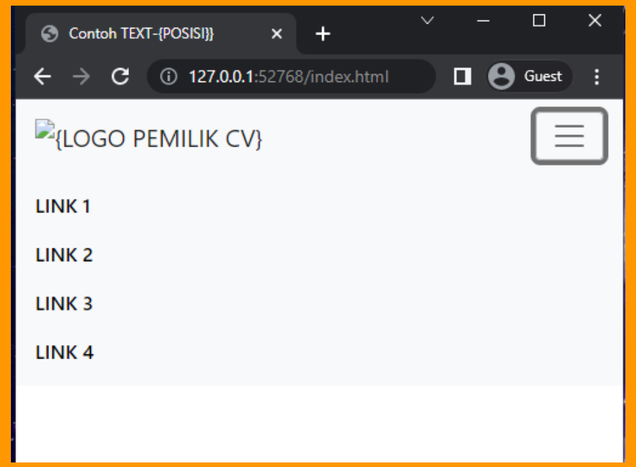

```
<div id="carouselID" class="carousel slide" data-bs-ride="carousel">
    <div class="carousel-indicators">
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="0" class="active"></button>
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="1"></button>
        <button type="button" data-bs-target="#carouselID" data-bs-slide-to="2"></button>
    </div>
    <div class="carousel-inner">
        <div class="carousel-item active">
            {KONTEN 1}
        </div>
        <div class="carousel-item">
            {KONTEN 2}
        </div>
        <div class="carousel-item">
            {KONTEN 3}
        </div>
    </div>
    <button class="carousel-control-prev" type="button" data-bs-target="#carouselID" data-bs-slide="prev">
        Button Mundur
    </button>
    <button class="carousel-control-next" type="button" data-bs-target="#carouselID" data-bs-slide="next">
        Button Maju
    </button>
</div>
```

KOMPONEN: NAVBAR

```
<nav class="container-xxl px-0 navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#" id="logo">
        <img src="{PATH KE LOGO WEBSITE}" class="px-3 px-md-5" alt="{NAMA PEMILIK CV}">
    </a>

    <button class="navbar-toggler mx-3" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 1}">Profile</a>
            </li>
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 2}">Qualifications</a>
            </li>
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 3}">Projects</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{LINK 4}">Contact</a>
            </li>
        </ul>
    </div>
</nav>
```

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<nav class="container-xxl px-0 navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="#" id="logo">
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    </a>

    <button class="navbar-toggler mx-3" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav">
        <span class="navbar-toggler-icon"></span>
    </button>

    <div class="collapse navbar-collapse" id="navbarNav">
        <ul class="navbar-nav ms-auto">
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 1}">LINK 1</a>
            </li>
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 2}">LINK 2</a>
            </li>
            <li class="nav-item me-3">
                <a class="nav-link" href="{LINK 3}">LINK 3</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="{LINK 4}">LINK 4</a>
            </li>
        </ul>
    </div>
</nav>
```

ZERO TO HERO WEB DEV

TOPIC 1: CARA KERJA INTERNET

PPIT Shenzhen 2022

PERSIAPAN HARI KE-2

Untuk **pembuatan website CV**, siapkan hal berikut:

1. Dua foto profil terbaik
2. Daftar prestasi saat sekolah (2 jenjang kalau bisa)
3. Daftar pengalaman bekerja (kalau bisa)
4. Project atau karya yang pernah dibuat (beserta screenshot)
5. Link socials (kalau bisa 4)
6. File **CV** (pdf, doc, docx, dll)

Opsional:

1. Logo diri sendiri (untuk logo website)
2. Logo sekolah
3. Deskripsi bagian **About Me**