

## Bootstrap 5 Exercises - Solutions

### 1. Setting Up Bootstrap 5

#### Exercise 1.1:

```
```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Bootstrap 5 Setup</title>
  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0/dist/css/bootstrap.min.css"
rel="stylesheet">
</head>
<body>
  <h1 class="text-center">Hello Bootstrap 5!</h1>
</body>
</html>
```
```

#### Exercise 1.2:

- Downloaded files are placed in project folder.
- Link them:

```
```html
<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
<script src="bootstrap/js/bootstrap.bundle.min.js"></script>
```
```

### 2. Bootstrap Structure and Files

#### Exercise 2.1:

- `css`: Contains Bootstrap's CSS.
- `js`: JavaScript components.
- `icons`: Bootstrap Icons.

#### Exercise 2.2:

##### Include:

```
```html
<script src="js/bootstrap.bundle.min.js"></script>
```
```

### 3. Responsive Grid Layout

#### Exercise 3.1:

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

```

<div class="row">
  <div class="col-12 col-md-6 col-lg-4">Column 1</div>
  <div class="col-12 col-md-6 col-lg-4">Column 2</div>
  <div class="col-12 col-md-6 col-lg-4">Column 3</div>
</div>
</div>
```

```

#### 4. Column Layouts

##### Exercise 4.1:

```

```html
<div class="row">
  <div class="col-md-3 bg-light">Sidebar</div>
  <div class="col-md-9">Main Content</div>
</div>
```

```

##### Exercise 4.2:

```

```html
<div class="row">
  <div class="col-sm-3">1</div><div class="col-sm-3">2</div><div
class="col-sm-3">3</div><div class="col-sm-3">4</div>
</div>
```

```

#### 5. Alignment and Reordering

##### Exercise 5.1:

```

```html
<div class="row justify-content-center align-items-center" style="height: 100px;">
  <div class="col-4">Centered</div>
</div>
```

```

##### Exercise 5.2:

```

```html
<div class="row">
  <div class="col order-md-2">Second on MD</div>
  <div class="col order-md-1">First on MD</div>
</div>
```

```

#### 6. Responsive Flexbox Utilities

##### Exercise 6.1:

```

```html

```

```
<nav class="d-flex flex-column flex-md-row bg-light p-3">
  <a class="p-2" href="#">Home</a>
  <a class="p-2" href="#">About</a>
</nav>
...

```

Exercise 6.2:

```
```html
<div class="card d-flex flex-row justify-content-between align-items-center p-3">
  <div>Left</div><div>Right</div>
</div>
...

```

## 7. Typography

```
```html
<h1 class="display-1">Big Text</h1>
<p class="lead text-muted fw-bold">Lead Paragraph</p>
<p class="text-uppercase">UPPERCASE</p>
...

```

## 8. Forms

Exercise 8.1:

```
```html
<form>
  <input type="text" class="form-control" placeholder="Name">
  <div class="form-check">
    <input class="form-check-input" type="checkbox"> Check me
  </div>
</form>
...

```

Exercise 8.2:

```
```html
<div class="form-floating">
  <input type="email" class="form-control" id="email" placeholder="Email">
  <label for="email">Email</label>
</div>
...

```

## 9. Buttons

```
```html
<button class="btn btn-primary">Primary</button>
<button class="btn btn-outline-danger">Outline</button>
<div class="btn-group">

```

```
<button class="btn btn-secondary">Left</button>
<button class="btn btn-secondary">Right</button>
</div>
...

```

## 10. Navbars

```
```html
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="#">Logo</a>
</nav>
<ul class="nav nav-tabs">
  <li class="nav-item"><a class="nav-link active" href="#">Tab</a></li>
</ul>
...

```

## 11. Cards & Media

```
```html
<div class="card" style="width: 18rem;">
  
  <div class="card-body">
    <h5 class="card-title">Profile</h5>
  </div>
</div>
...

```

## 12. Spacing

```
```html
<div class="m-3 p-2 bg-light">Margin & Padding</div>
...

```

## 13. Colors

```
```html
<div class="bg-primary text-white p-3">Dashboard</div>
...

```

## 14. Display

```
```html
<div class="d-none d-md-block">Only MD & Up</div>
...

```

## 15. Borders

```
```html

...

```

## 16. Position

```
```html
<footer      class="position-fixed      bottom-0      bg-dark      text-white      w-100
text-center">Footer</footer>
```
```

## 17. Icons

```
```html
<link  rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap-icons/font/bootstrap-icons.css">
<i class="bi bi-facebook"></i>
```
```

## 18. JS Plugins

```
```html
<button data-bs-toggle="modal" data-bs-target="#myModal">Open Modal</button>
<div class="modal fade" id="myModal">...</div>
```
```

## 19. Sass

- Setup project with npm and `bootstrap/scss`.
- Customize `\_variables.scss` and recompile using `sass` CLI.