Chapter 7 - CSS Grid & Media Queries

A CSS grid can be initialized using :

· Container {
    display: grid;
}

All direct children automatically becomes grid items

The grid-column-gap property
Used to adjust the space between the columns of a CSS grid

The grid-row-gap property
Used to adjust the space between the rows of a CSS grid.

The grid-gap property
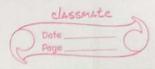Shorthand property for grid-row-gap & grid-column-gap

· Container {
    display: grid;   → row
    grid - gap: 40px 100px;
}   ↘ column

Note : For a single value of grid-gap, both row and Column gaps can be set in one value.

Following are the properties for grid container:

1, The grid-template-columns property can be used to specify the width of columns

```
. Container {
    display : grid;
    grid-template-columns: 80px 120px auto;
}
```

2, The grid-template-rows property can be used to specify the height of each row

```
. Container {
    display : grid;
    grid-template-rows: 70px 150px;
}
```

3, The justify-content property is used to align the whole grid inside the container.

4, The align-content property is used to vertically align the whole grid inside the container.

Following are the properties for grid item:

1. The grid-column property defines how many columns an item will span.

```
. grid-item {
    grid-column: 1/5;
}
```

2. The grid-row property defines how many rows an item will span.

3. We can make an item to start on column 1 and span 3 columns like this:

```
.item {
    grid-column: 1 / span 3;
}
```

CSS Media Queries
Used to apply css only when a certain condition is true.
Syntax:

```
@media only screen and (max-width: 800px) {
    body {
        background: red;
    }
}
```