

CHAPTER 8 – 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

e.g.- `.container{
 display:grid;
 grid-gap: 40px 100px
}`

Row

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.

e.g.- `.container{
 display:grid;
 grid-template-columns: 80px 120px auto;
}`

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

e.g.- *.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.

e.g.- *.grid-item{
grid-columns:1/5;
}*

- 2) The grid-row property defines how many rows an item will span.
- 3) We span make an item to start on column 1 & span 3 columns like this:

e.g.- *.items{
grid-column:1/span3;
}*

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;  
  }  
}
```

