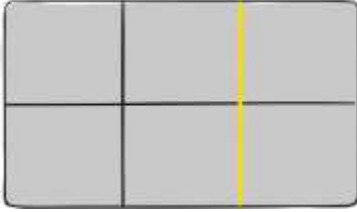


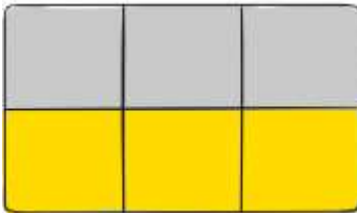
CREATING GRID

A. Grid Terminology

- Grid line: The dividing lines, they can be either vertical or horizontal.



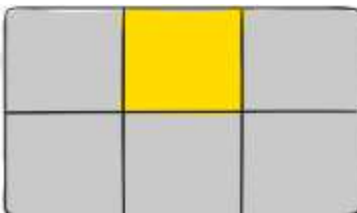
- Grid track: The space between two adjacent grid lines. You can think of them as single column or row of the grid. Here's the grid track between the second and third-row grid lines.



- Grid area: The total space surrounded by four grid lines. A grid area may be composed of any number of grid cells. Here's the grid area between row grid lines 1 and 3, and column grid lines 1 and 3.



- Grid cell: The space between two adjacent row and two adjacent column grid lines. It's a single "unit" of the grid. Here's the grid cell between row grid lines 1 and 2, and column grid lines 2 and 3.



B. Grid Inspect Element (<https://developer.chrome.com/docs/devtools/css/grid/>)

To simulate grid positioning & set how we view the grid live in dev tools.

C. Grid Container

```
display: grid OR display: inline-grid
```

To turn an element into a **grid container**. Each of the direct child elements below it automatically become **grid item**. The grandchild elements is not a grid item.

D. Columns & Rows

```
grid-template-columns
```

 : Defining column

`grid-template-rows` : Defining row

Example :

```
.container {  
  display: grid;  
  grid-template-columns: 50px 50px;  
  grid-template-rows: 50px 50px;  
}
```

Item 1 Item 2

Item 3 Item 4

We can use shorthand

`grid-template` : `grid-template-rows` / `grid-template-columns`

```
.container {  
  display: grid;  
  grid-template: 50px 50px / 50px 50px 50px;  
}
```

E. Explicit vs Implicit Grid

Implicit Grid: is the grid track that we did not define explicitly.

when add a fifth item to our 2x2 layout for four grid items, the fifth item will placed in third row that we did not define. This what we call with implicit grid.

```
.container {  
  display: grid;  
  grid-template-columns: 50px 50px;  
  grid-template-rows: 50px 50px;  
}
```

Item 1 Item 2

Item 3 Item 4

Item 5

By default, CSS Grid will add additional content in implicit rows.

We can set the implicit grid track sizes using `grid-auto-rows` and `grid-auto-columns`

`grid-auto-flow: column` to change the way CSS Grid add additional content to implicit columns.

`grid-auto-columns` to defined implicit column sizes.

F. Gap

`column-gap` : Define column gap

`row-gap` : Define row gap

`gap` : To set both row-gap and column-gap.