

# Assignment - Grid in CSS

## Problem Statement

Create an image gallery using a CSS grid.

## Expected Behaviour



Ans)

HTML - [html file link](#)

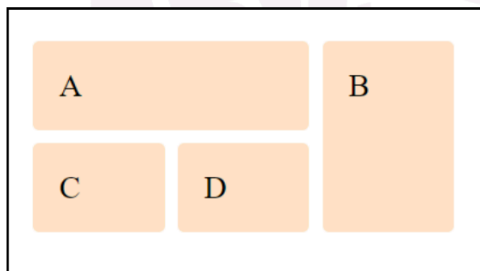
CSS - [css file link](#)

## Task 2:

### Problem Statement

Write code to arrange containers with texts A, B, C, and D as shown in the below image.

### Expected Output



Ans)

HTML - [html file link](#)

CSS - [css file link](#)

## Task 4:

### Problem Statement

Write CSS to show numbers as shown in the figure, without altering the below html code.

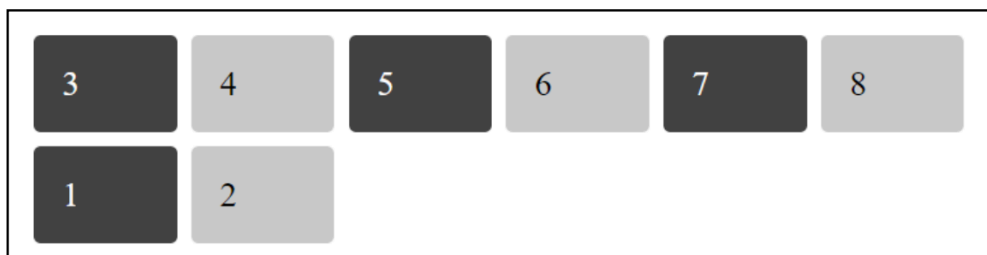
Full Stack Web Development

## Assignment Question



```
<div class="container">
  <div class="box box1">1</div>
  <div class="box box2">2</div>
  <div class="box box3">3</div>
  <div class="box box4">4</div>
  <div class="box box5">5</div>
  <div class="box box6">6</div>
  <div class="box box7">7</div>
  <div class="box box8">8</div>
</div>
```

### Expected Output



Ans)

HTML - [html file link](#)

## Task 3:

### Problem Statement

Explain the use of grid-auto-row and grid-auto-column using code examples.

Ans)

### grid-auto-rows

Sets **height** of rows **not explicitly defined**.

#### Example:

CSS

grid-auto-rows: 50px;

If new rows are needed, they'll be **50px high**.

## grid-auto-columns

Sets **width** of columns **not explicitly defined**.

**Example:**

CSS

```
grid-auto-columns: 100px;
```

If new columns are needed, they'll be **100px wide**.

## Task 5:

### Problem Statement

Explain the difference between justify-items and justify-self using code examples.

Ans)

### justify-items

- Sets **horizontal alignment for all items** in a grid container.
- **Example:**

CSS

```
.grid {  
  display: grid;  
  justify-items: center; /* all items centered horizontally */  
}
```

### justify-self

- Sets **horizontal alignment for a single item**.
- **Example:**

CSS

```
.item {  
  justify-self: end; /* this item aligns to the right in its cell */  
}
```

### Summary:

justify-items = **container-wide default**

justify-self = **individual item override**