Grid in CSS Assignment

Assignment Question

Task 1:

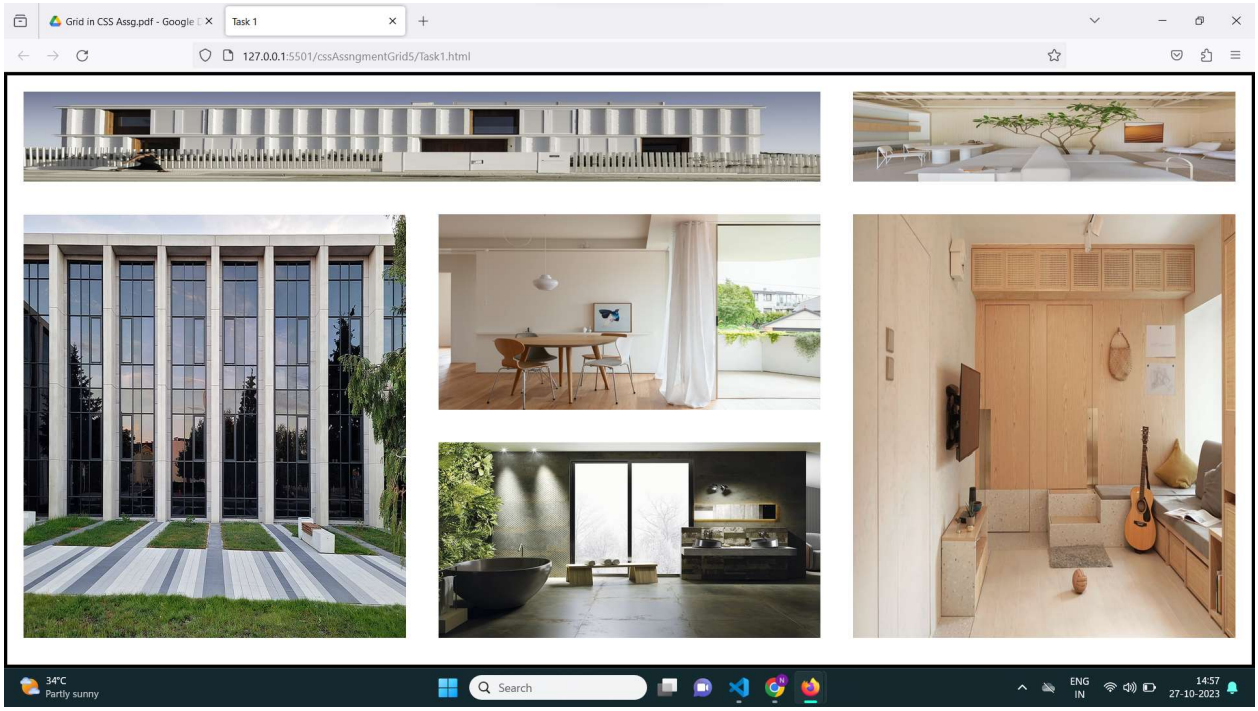
Problem Statement
Create an image gallery using a CSS grid.

ANS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Task 1</title>
    <style>
        *{
            margin: 0px;
            padding: 0px;
            outline: 0px;
            box-sizing: border-box;

        }
        .Container {
            border: 4px solid black;
            width: 100vw;
            height: 100vh;
            display: grid;

            grid-template-columns:1fr 1fr 1fr;
            grid-template-rows: 150px 280px 280px;









        }
        .Box{
            margin: 20px;


        }
        .Box img{
```

```
            height: 100%;
            width: 100%;
        }
        .Box1{
            grid-column-start: 1;
            grid-column-end: 3;
            grid-row-start: 1;
            grid-row-end: 2;
        }
        .Box3{
         grid-column-start: 1;
         grid-column-end: 2;
         grid-row-start: 2;
         grid-row-end: 4;

        }
        .Box5{
            grid-row-start: 2;
         grid-row-end: 4;
         grid-column-start: 3;
         grid-column-end: 4;
        }

    </style>

</head>
<body>
    <div class="Container">
        <div class="Box Box1">
            <img
src="https://images.adsttc.com/media/images/6529/33ad/0e26/f35f/acc5/3440/slideshow/casa-ac-marina-uno-arquitectos_2.jpg?1697199062" alt="">
        </div>
        <div class="Box Box2">
            <img
src="https://images.adsttc.com/media/images/6525/a55a/0e26/f301/7cab/641b/slideshow/neutrals-in-interior-design-30-homes-with-an-understated-color-palette_1.jpg?1696965985" alt="">
        </div>
        <div class="Box Box3">
            <img
src="https://snoopy.archdaily.com/images/archdaily/catalog/uploads/photo/image/313498/full_Universidad-Rzeszow-5.jpg?width=1024&format=webp"
alt=""width="400px" >
        </div>
        <div class="Box Box4">
            <img
src="https://images.adsttc.com/media/images/6525/a59f/64e5/0c01/7cc9/e715/slideshow/neutrals-in-interior-design-30-homes-with-an-understated-color-palette_1.jpg?1696966053" alt="" >
        </div>
        <div class="Box Box5">
            <img
```

```
src="https://images.adsttc.com/media/images/6525/a5a9/64e5/0c01/7cc9/e719/slideshow/neutrals-in-interior-design-30-homes-with-an-understated-color-palette_1.jpg?1696966063" alt="" >
        </div>

        <div class="Box Box6">
            <img
src="https://snoopy.archdaily.com/images/archdaily/catalog/uploads/photo/image/317217/full_BA%C3%91O_FLAMED.jpg?width=1024&format=webp" alt="">
        </div>

    </div>
</body>
</html>
```



Task 2:

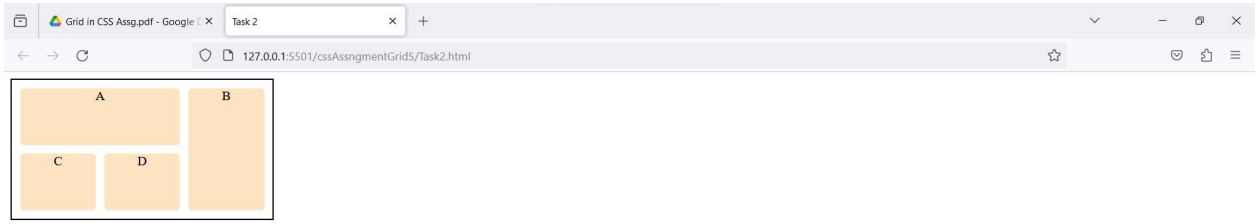
Problem Statement
Write code to arrange containers with texts A, B, C, and D as shown

in the below image.

ANS:

```
```

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Task 2</title>
    <style>
       .Container{
        height: 150px;
        width: 300px;
        border: 2px solid black;
        display: grid;
        grid-template-columns: 1fr 1fr 1fr;
        grid-template-rows: 1fr 1fr;
        gap: 10px;
        padding: 10px;

       }
       .Box{
        background-color: bisque;
        height: 100%;
        width: 100%;
        border-radius: 5px;
        text-align: center;
       }
       .Box1{
        grid-column-start: 1;
        grid-column-end: 3;
        grid-row-start: 1;
        grid-row-end: 2;

       }
       .Box2{
        grid-row-start: 1;
        grid-row-end: 3;
        grid-column-start: 3;
        grid-column-end: 4;
       }
    </style>
</head>
<body>
    <div class="Container">
        <div class="Box1 Box">A</div>
        <div class="Box2 Box">B</div>
        <div class="box3 Box">C</div>
        <div class="Box4 Box">D</div>
    </div>

</body>
</html>
```



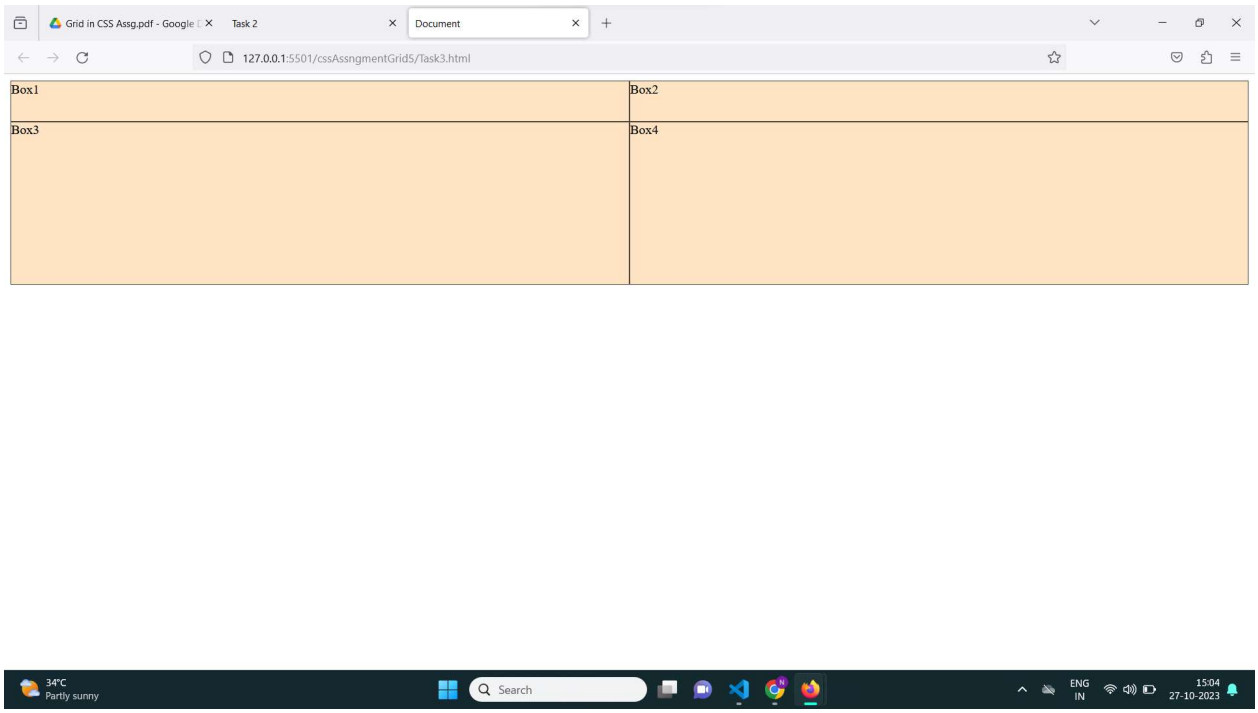
Task 3:

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

ANS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Document</title>
    <style>
        .Container{
            display: grid;
            grid-template-areas: " x x ";
            grid-template-rows: 50px;
            grid-auto-rows: 200px;
        }
        .Container > div{
            background-color: bisque;
            border: 1px solid rgba(20, 20, 20, 0.773);
        }
    </style>
</head>
<body>
```

```
    <div class="Container">
        <div class="Box1">Box1</div>
        <div class="Box2">Box2</div>
        <div class="Box3">Box3</div>
        <div class="Box4">Box4</div>

    </div>
</body>
</html>
```



This example creates a grid container with three columns defined by grid-template-areas. The first row is displayed with a height of 50px because we have mentioned grid-template-rows for the first row as 50px.

And

the remaining rows will be displayed with a height of 100px, because of the grid-auto-rows:200px property.

That's why the second row is displayed with a height of 200px.

Task 4:

Problem Statement

Write CSS to show numbers as shown in the figure, without altering

the below html code.

```
<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>
```

ANS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Task 4</title>
    <style>
        .Container{
            border: 2px solid black;
            display: grid;
            grid-template-columns:repeat(6, 100px) ;
            grid-template-rows:repeat(2,50px);
            width: 710px;
            grid-gap: 20px;
            padding: 10px;

        }
        .Box{

            text-align: center;
```

```
            border-radius: 5px;
            background-color: rgba(9, 9, 9, 0.942);
            color: aliceblue;
            grid-auto-flow: row;
        }
        .Box2{
            order:5;
        }
        .Box:nth-child(even){

            background-color: rgb(129, 130, 131);

            border-radius: 5px;
        }
        .Box2{
            order: 4;
        }
        .Box1{
            order: 1;
        }

    </style>

</head>
<body>
    <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>
</body>
</html>
```

Task 5:

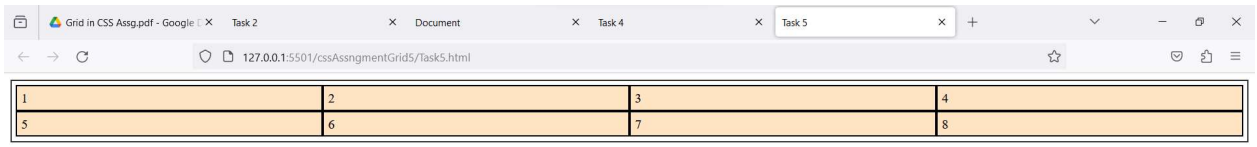
Problem Statement Explain the difference between justify-items and

justify-self using code examples.

ANS:

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Task 5</title>
    <style>
      .Container{
        display: grid;
        grid-template-columns: 1fr 1fr 1fr 1fr;
```

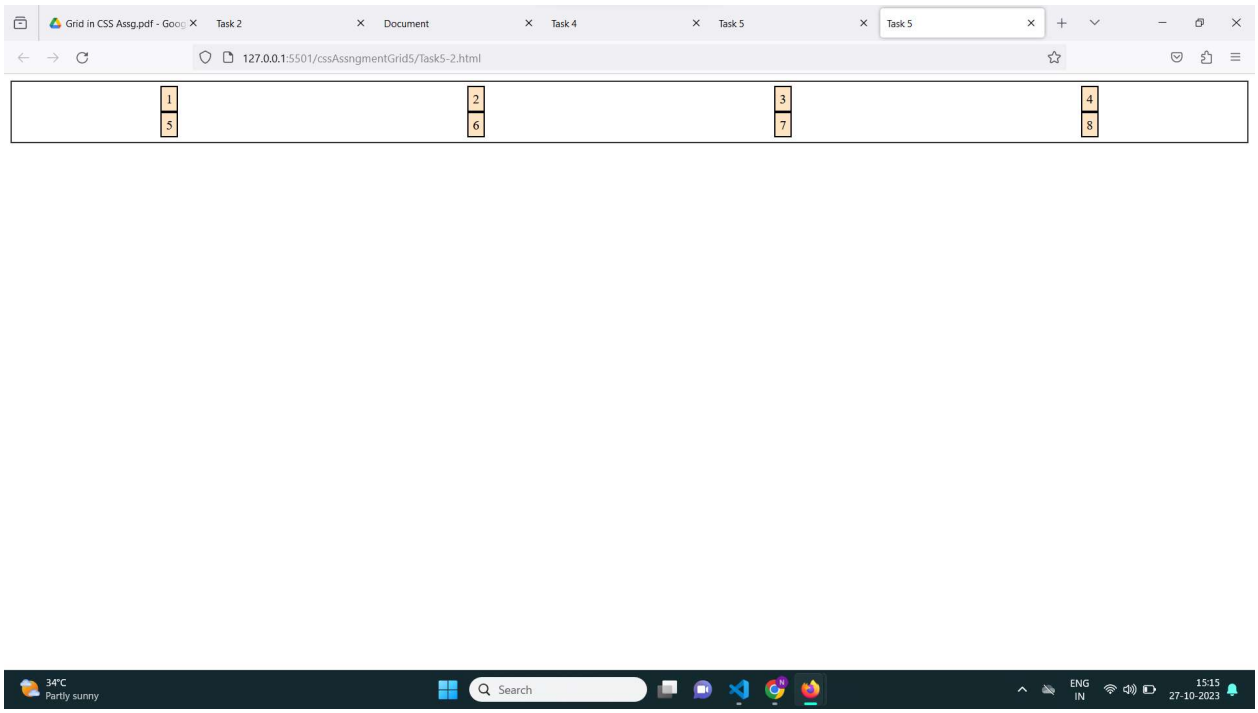
```
        border: 2px solid rgb(49, 48, 48);
        padding: 5px;

      }
      .Box{
        background-color: bisque;
        border: 2px solid black;
        padding: 5px;
      }
    </style>

</head>
<body>
    <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>
</body>
</html>
```



1	2	3	4
5	6	7	8


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
```

```
    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Task 5</title>
    <style>
      .Container{
        display: grid;
        grid-template-columns: 1fr 1fr 1fr 1fr;
        border: 2px solid rgb(49, 48, 48);
        /* grid-gap: 10px; */
        /* justify-content: center; */
        justify-items: center;
        padding: 5px;

      }
      .Box{
        background-color: bisque;
        /* border: 2px soli black; */
        border: 2px solid black;
        padding: 5px;
      }
    </style>

</head>
<body>
    <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>
</body>
</html>
```


Grid in CSS Assg.pdf - Goog
Task 2
Document
Task 4
Task 5
Task 5
127.0.0.1:5501/cssAssngmentGrid5/Task5-2.html
1
5
2
6
3
7
4
8
34°C
Partly sunny
Search
ENG
IN
15:15
27-10-2023