Ans.03

**Grid-auto-row** and **grid-auto-column** are properties in CSS Grid that allow you to control the size and behavior of grid tracks that are created automatically when grid items are placed into grid cells. These properties are used to define the sizing of rows and columns that aren't explicitly defined using grid-template-rows and grid-template-columns.

Examples:

Grid-auto-row:

<!DOCTYPE html>

<html>

<head>

  <style>

    .grid-container {

      display: grid;

      grid-template-columns: 1fr 1fr 1fr;

      grid-auto-row: 100px; /\* Sets the height of auto-generated rows to 100px \*/

      gap: 10px;

    }

    .grid-item {

      background-color: lightblue;

      border: 1px solid blue;

    }

  </style>

</head>

<body>

  <div class="grid-container">

    <div class="grid-item">1</div>

    <div class="grid-item">2</div>

    <div class="grid-item">3</div>

    <div class="grid-item">4</div>

    <div class="grid-item">5</div>

    <div class="grid-item">6</div>

  </div>

</body>

</html>

Grid-auto-column:

<!DOCTYPE html>

<html>

<head>

  <style>

    .grid-container {

      display: grid;

      grid-template-rows: 1fr 1fr 1fr;

      grid-auto-column: 100px; /\* Sets the width of auto-generated columns to 100px \*/

      gap: 10px;

    }

    .grid-item {

      background-color: lightblue;

      border: 1px solid blue;

    }

  </style>

</head>

<body>

  <div class="grid-container">

    <div class="grid-item">1</div>

    <div class="grid-item">2</div>

    <div class="grid-item">3</div>

    <div class="grid-item">4</div>

    <div class="grid-item">5</div>

    <div class="grid-item">6</div>

  </div>

</body>

</html>

Ans.05

Justify-items and justify-self are properties in CSS Grid that allow you to control the horizontal alignment of grid items within their grid cells.

Examples:

Justify-items:

DOCTYPE html>

<html>

<head>

  <style>

    .grid-container {

      display: grid;

      grid-template-columns: repeat(3, 100px);

      justify-items: center; /\* Sets the default horizontal alignment for all grid items \*/

      gap: 10px;

    }

    .grid-item {

      background-color: lightblue;

      border: 1px solid blue;

    }

  </style>

</head>

<body>

  <div class="grid-container">

    <div class="grid-item">1</div>

    <div class="grid-item">2</div>

    <div class="grid-item">3</div>

  </div>

</body>

</html>

Justify-self:

<!DOCTYPE html>

<html>

<head>

  <style>

    .grid-container {

      display: grid;

      grid-template-columns: repeat(3, 100px);

      gap: 10px;

    }

    .grid-item {

      background-color: lightblue;

      border: 1px solid blue;

      justify-self: end; /\* Sets the horizontal alignment for this specific grid item \*/

    }

  </style>

</head>

<body>

  <div class="grid-container">

    <div class="grid-item">1</div>

    <div class="grid-item">2</div>

    <div class="grid-item">3</div>

  </div>

</body>

</html>