

Simple 3x3 Grid Layout (HTML/CSS)

Question 5

You are building a responsive photo gallery section for a website using **CSS Grid**. The main objective is to arrange nine photo thumbnails into a 3×3 grid structure and ensure one specific element spans across the entire bottom row for a call-to-action banner.

Objectives:

- Add a title **CSS Grid Layout Demo** to the HTML file.
- Define a main container with the class **.grid-container** that uses CSS Grid.
- Fill logic to create a grid with **3 equal columns** (each taking an equal fraction of space) and **3 rows** of auto-height.
- Place the item with the class **.span-item** so that it starts at grid column **1** and spans to the end of the grid (column **4**), effectively covering the **entire bottom row**.
- Set a gap of **15px** between all grid items.

Constraints:

- Do not change the HTML structure or class names (.grid-container, .grid-item, .span-item).
- Use only the modern CSS Grid properties (grid-template-columns, grid-row, etc.).
- Ensure all grid items have a minimum height of 100px for visibility.

Fill-in-the-Blanks Answer Set (HTML & CSS)

index5.html (Incomplete)

HTML

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>CSS Grid Layout</title>
  <link rel="stylesheet" href="style5.css">
</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 class="grid-item">7</div>
<div class="grid-item">8</div>
<div class="grid-item span-item">Span Item</div>
</div>
</body>
</html>
```

style5.css (Incomplete)

CSS

```
.grid-container {
  display:grid;
  grid-template-columns: repeat(3, 1fr);
  grid-gap:12px;
  width: 90%;
  margin: 50px auto;
}

.grid-item {
  background-color: #AEC6CF; /* Soft Blue */
  color: #333;
  padding: 20px;
  border-radius: 5px;
  min-height: 100px;
  text-align: center;
  font-size: 1.5em;
}

.span-item {
  background-color: #FF6961; /* Salmon Red for emphasis */
  grid-column: 1 /4;
  font-weight: bold;
  color: white;
}
```