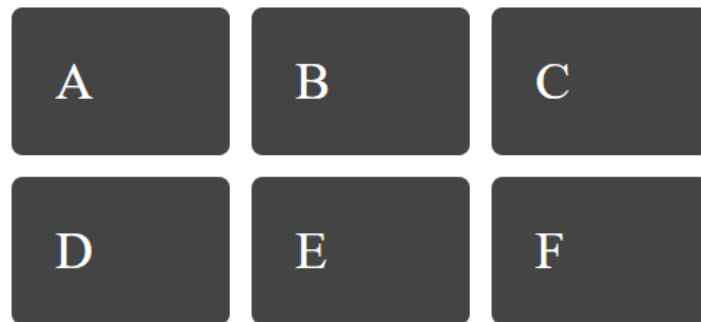


CSS Grid - Practice code

Problem Statement 1: Grid Definition

Design the following output, by using `display:grid`, `grid-column-template`, `grid-gap`, `background-color`, `color`, and `box-model` properties.



Problem Statement 2: Spanning Tracks

To create Grid Areas that are larger than a single grid track we specify an end line that is more than one track away, using `grid-column` and `grid-row` shorthand.



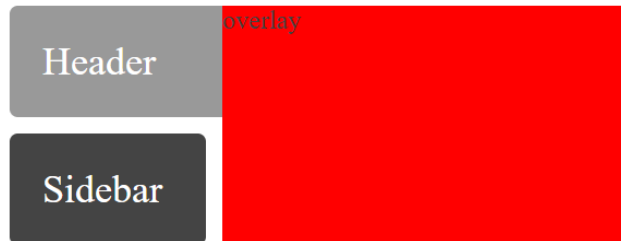
Problem Statement 3: Grid Areas

Design the following output by using `grid-area`, `grid-gap`, `grid-template-columns`, and `grid-template-areas` properties.



Problem Statement 4: Grid Lines

Design the following output using grid-area, grid-gap, grid-template-columns, grid-template-areas, grid-column and grid-row properties.



Solution

Problem Statement 1:

HTML:

```
<div class="wrapper">
  <div class="box a">A</div>
  <div class="box b">B</div>
  <div class="box c">C</div>
  <div class="box d">D</div>
  <div class="box e">E</div>
  <div class="box f">F</div>
</div>
```

CSS:

```
body {
  margin: 40px;
}

.wrapper {
  display: grid;
  grid-template-columns: 100px 100px 100px;
  grid-gap: 10px;
  background-color: #fff;
  color: #444;
}

.box {
  background-color: #444;
  color: #fff;
  border-radius: 5px;
  padding: 20px;
  font-size: 150%;
}
```

Problem Statement 2:

HTML:

```
<div class="wrapper">
  <div class="box a">A</div>
  <div class="box b">B</div>
  <div class="box c">C</div>
  <div class="box d">D</div>
</div>
```

CSS:

```
body {
  margin: 40px;
}

.wrapper {
  display: grid;
  grid-gap: 10px;
  grid-template-columns: 100px 100px 100px;
  background-color: #fff;
  color: #444;
}

.box {
  background-color: #444;
  color: #fff;
  border-radius: 5px;
  padding: 20px;
  font-size: 150%;
}

.a {
  grid-column: 1 / 3;
  grid-row: 1;
}

.b {
  grid-column: 3 ;
  grid-row: 1 / 3;
}

.c {
  grid-column: 1 ;
  grid-row: 2 ;
}

.d {
  grid-column: 2;
  grid-row: 2;
}
```

Problem Statement 3:

HTML:

```
<div class="wrapper">
  <div class="box header">Header</div>
  <div class="box sidebar">Sidebar</div>
  <div class="box content">Content</div>
</div>
```

CSS:

```
.header {
  grid-area: header;
}

.wrapper {
  display: grid;
  grid-gap: 10px;
  grid-template-columns: 120px 120px 120px;
  grid-template-areas:
    "..... header header"
    "sidebar content content";
  background-color: #fff;
  color: #444;
}

.box {
  background-color: #444;
  color: #fff;
  border-radius: 5px;
  padding: 20px;
  font-size: 150%;
}

.header {
  background-color: #999;
}
```

Problem Statement 4:

HTML:

```
<div class="wrapper">
  <div class="box header">Header</div>
  <div class="box sidebar">Sidebar</div>
  <div class="box content">Content</div>
  <div class="overlay">overlay</div>
</div>
```

CSS:

```
.sidebar {
  grid-area: sidebar;
}

.content {
  grid-area: content;
}

.header {
  grid-area: header;
}

.wrapper {
  display: grid;
  grid-gap: 10px;
  grid-template-columns: 120px 120px 120px;
  grid-template-areas:
    "header header header"
    "sidebar content content";
  background-color: #fff;
  color: #444;
}

.box {
  background-color: #444;
  color: #fff;
  border-radius: 5px;
  padding: 20px;
  font-size: 150%;
}

.header {
  background-color: #999;
}

.overlay {
  background-color: red;
  z-index: 10;
  grid-column: content-start / content-end;
  grid-row: header-start / content-end;
}
```