

CSS

CSS FUNDAMENTALS

LAYOUT

CSS Grid

Explicit & Implicit Grid



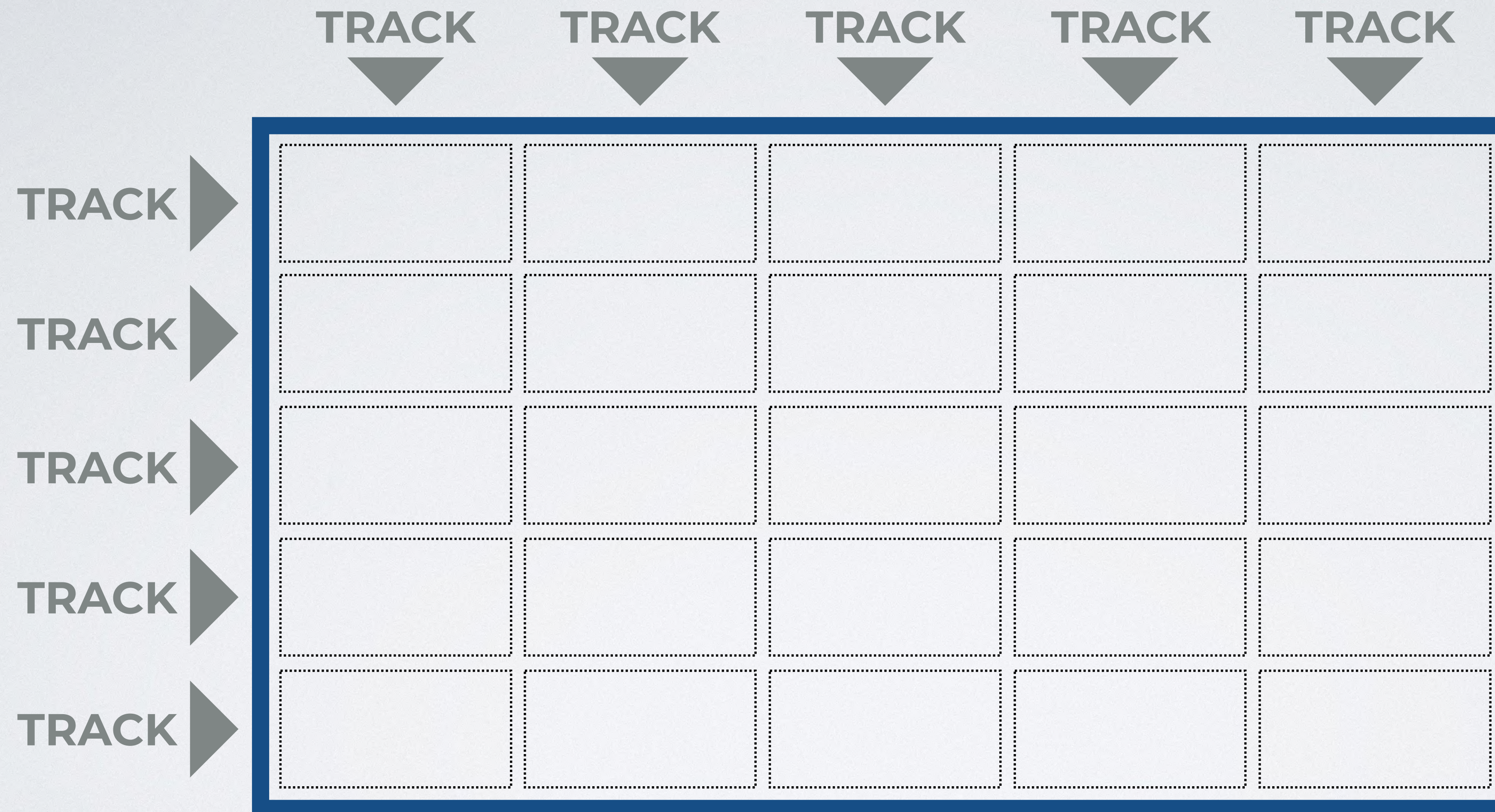
IN A ROCKET

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EXPLICIT GRID

~ ~ ~

```
grid-template-rows: 8rem 8rem 8rem 8rem 8rem  
grid-template-columns: 16rem 16rem 16rem 16rem 16rem
```



grid-template:

rows / columns

grid-template:

10rem 10rem

/

50% 50%

=

grid-template-rows: 10rem 10rem

grid-template-columns: 50% 50%

IMPLICIT GRID

~ ~ ~

“If you place something outside of the defined grid—or due to the amount of content, more grid tracks are needed—then the grid creates rows and columns in the implicit grid. These tracks will be auto-sized by default, resulting in their size being based on the content that is inside them.”



SOURCE: [Basic concepts of grid layout by MDN.](#)

HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
  <div>Item5</div>
  <div>Item6</div>
</div>
</body>
```

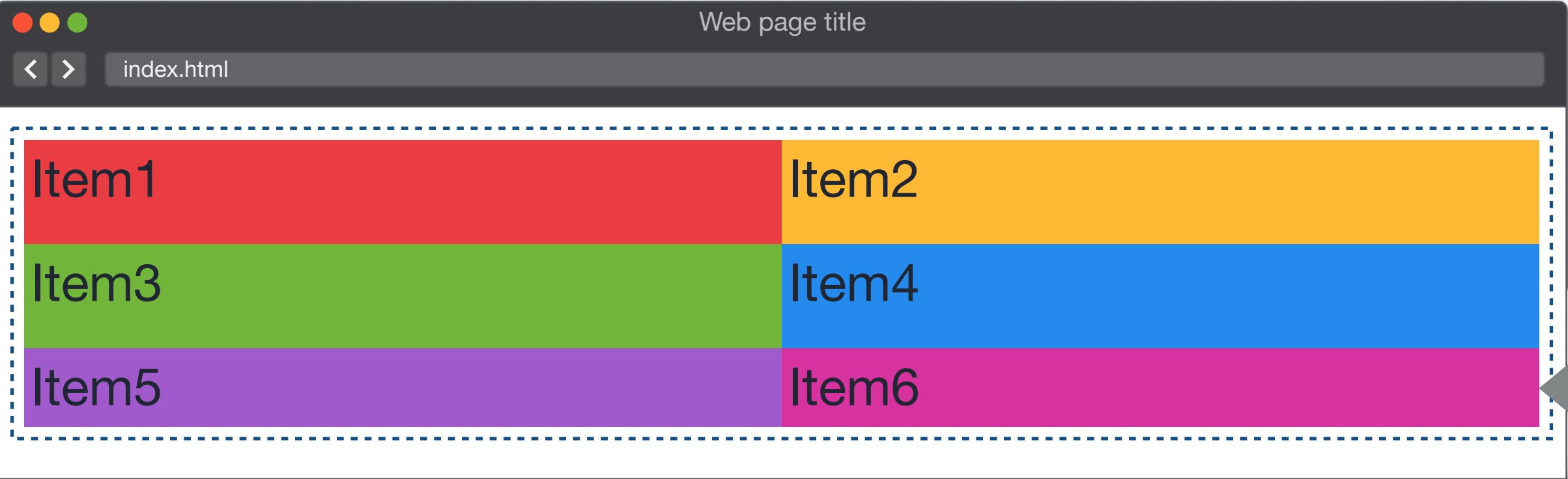


CSS

```
.container {
  display: grid;
  grid-template-rows: 5rem 5rem;
  grid-template-columns: 50% 50%;
}
```



Browser



implicit row (height: auto)

“You can also define a set size for tracks created in the implicit grid with the **grid-auto-rows** and **grid-auto-columns** properties.”



SOURCE: [Basic concepts of grid layout by MDN.](#)

IMPLICIT GRID: AUTO ROWS & COLUMNS

[READY TO USE CODE](#)

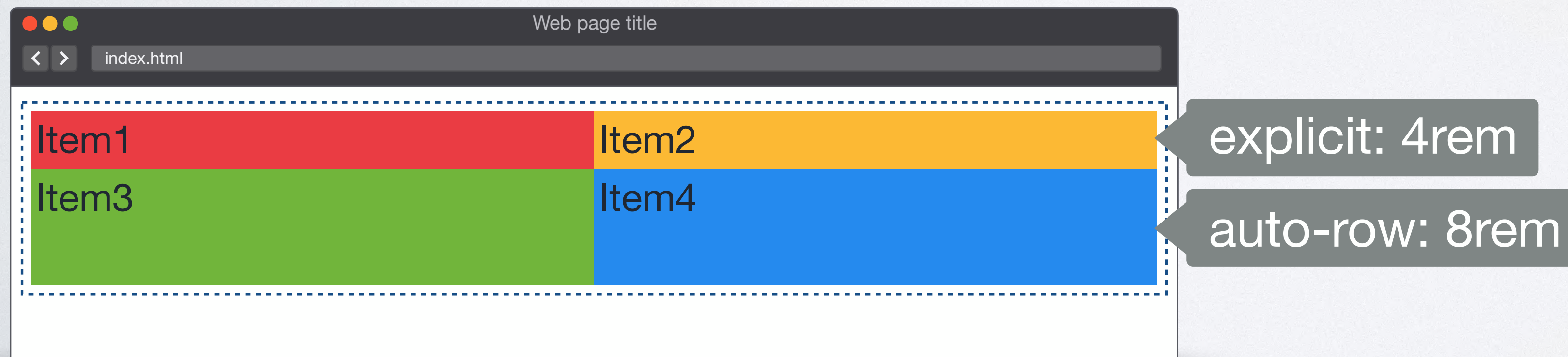
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: grid;
  grid-template: 4rem / 50% 50%;
  grid-auto-rows: 8rem;
}
```

Browser



IMPLICIT GRID: AUTO ROWS & COLUMNS

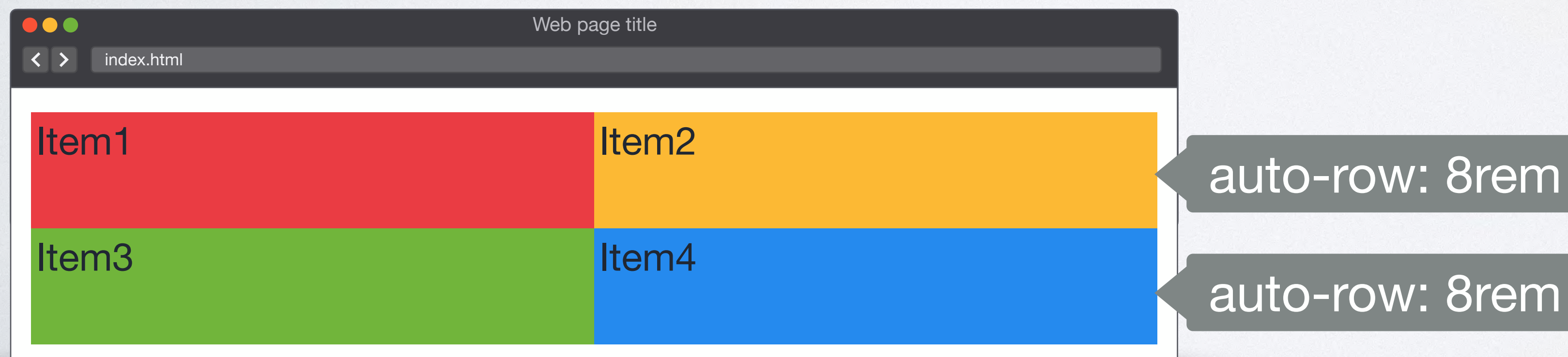
HTML

```
<body>
<div class="container">
  <div>Item1</div>
  <div>Item2</div>
  <div>Item3</div>
  <div>Item4</div>
</div>
</body>
```

CSS

```
.container {
  display: grid;
  grid-auto-rows: 8rem;
  grid-template-columns: 50% 50%;
}
```

Browser



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