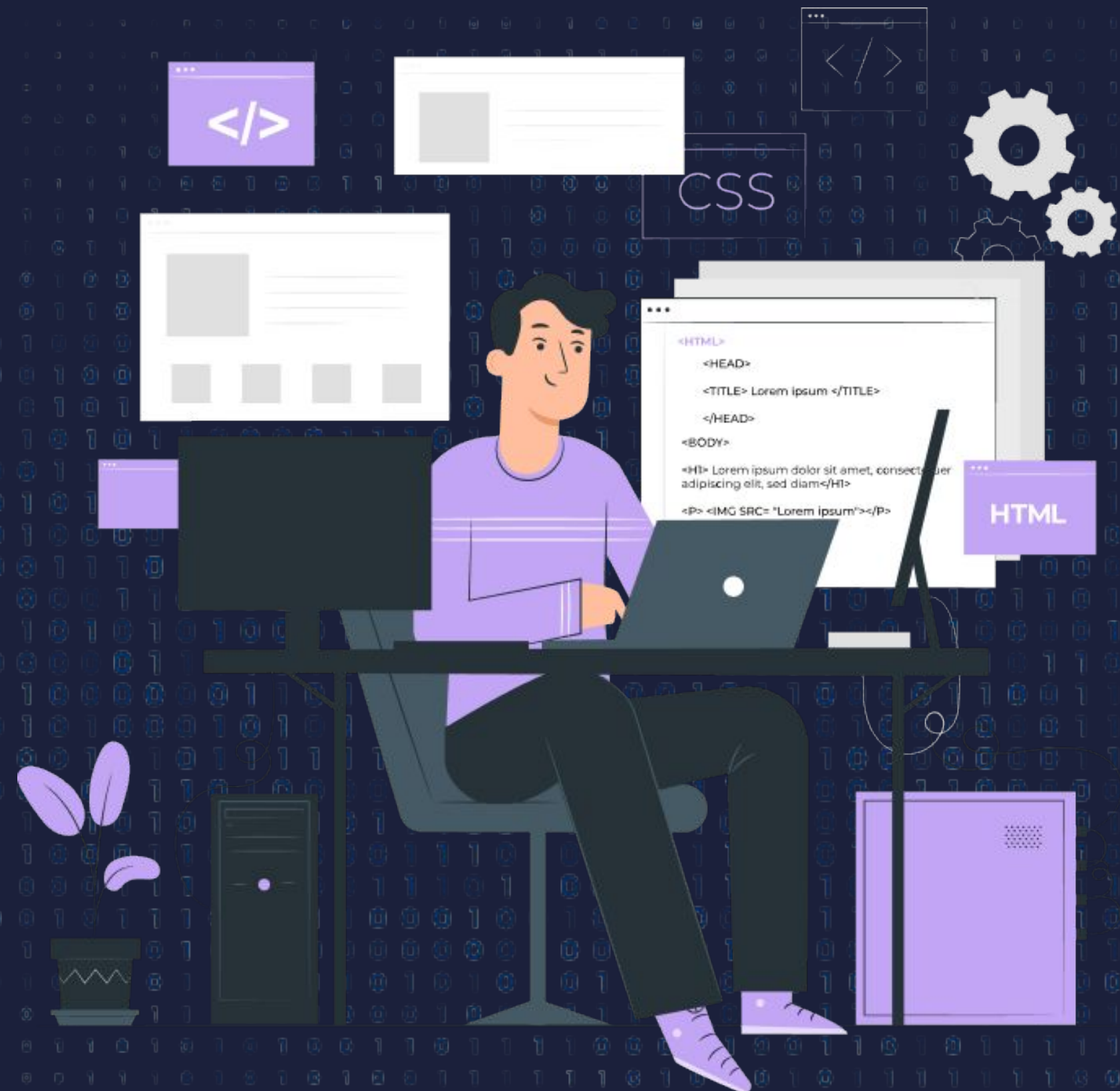# Grid item properties

Topics
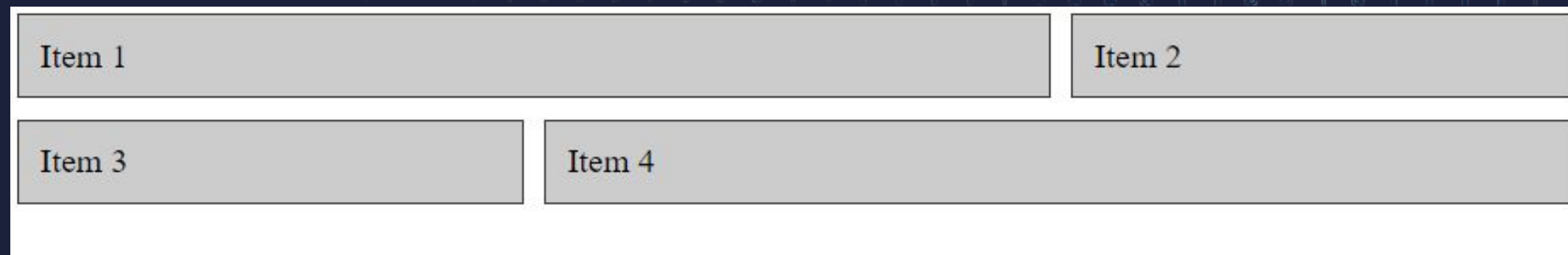
- Introduction
- Grid item properties

grid-column-start and grid-column-end

This properties define the starting and ending positions of a grid item along the horizontal axis of the grid.

```css
.item1 {
  grid-column-start: 1;
  grid-column-end: 3;
}

.item2 {
  grid-column-start: 3;
}

.item3 {
  grid-column-start: 1;
}

.item4 {
  grid-column-start: 2;
  grid-column-end: 4;
}
```

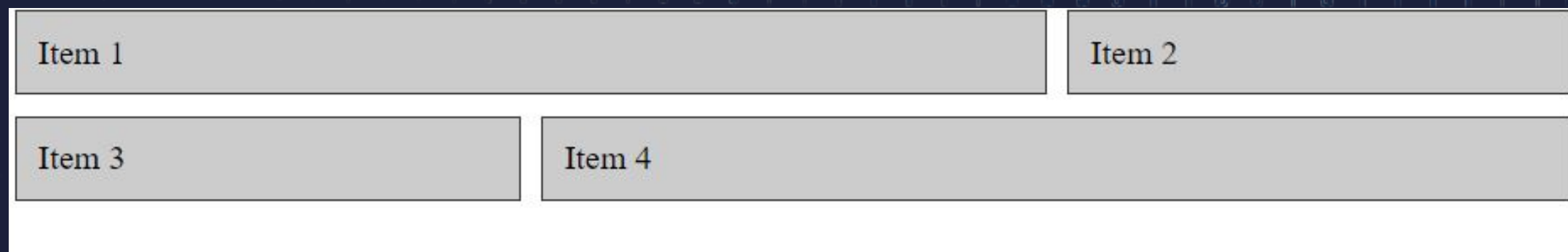| Item 1	Item 2
Item 3	Item 4

grid-column

The shorthand grid-column property for grid-column-start and grid-column-end.

```
.item1 {
  grid-column: 1 / 3;
}

.item2 {
  grid-column: 3 / 4;
}

.item3 {
  grid-column: 1 / 2;
}

.item4 {
  grid-column: 2 / 4;
}
```

Item 1	Item 2
Item 3	Item 4

grid-row-start and grid-row-end

grid-row-start and grid-row-end properties define the starting and ending positions of a grid item along the vertical axis of the grid.

```css
.item-1 {
  grid-row-start: 1;
  grid-row-end: 3;
}

.item-2 {
  grid-row-start: 1;
  grid-row-end: 2;
}

.item-3 {
  grid-row-start: 2;
  grid-row-end: 3;
}
```

```css
.item-4 {
  grid-row-start: 2;
  grid-row-end: 4;
}

.item-5 {
  grid-row-start: 1;
  grid-row-end: 3;
}

.item-6 {
  grid-row-start: 1;
  grid-row-end: 2;
}
```

start:1 end:3 | start:1 end:2 | start:1 end:3 | start:1 end:2
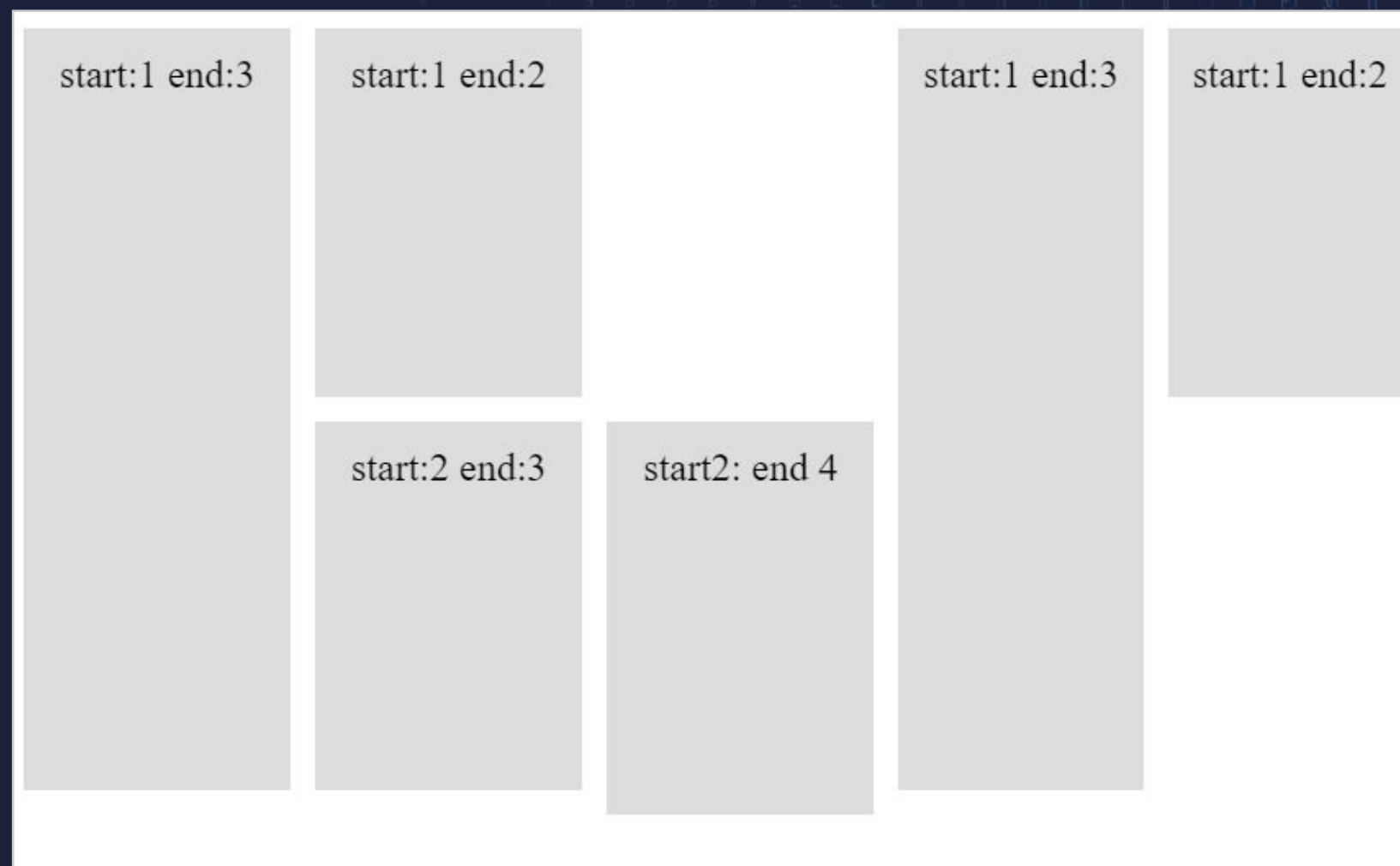
start:2 end:3 | start2: end 4

grid-row

The shorthand grid-row property for grid-row-start and grid-row-end.

```css
.item-1 {
  grid-row: 1 / 3;
}

.item-2 {
  grid-row: 1 / 2;
}

.item-3 {
  grid-row: 2 / 3;
}

.item-4 {
  grid-row: 2 / 4;
}
.item-5 {
  grid-row: 1 / 3;
}

.item-6 {
  grid-row: 1 / 2;
}
```


start:1 end:3 start:1 end:2 start:1 end:3 start:1 end:2
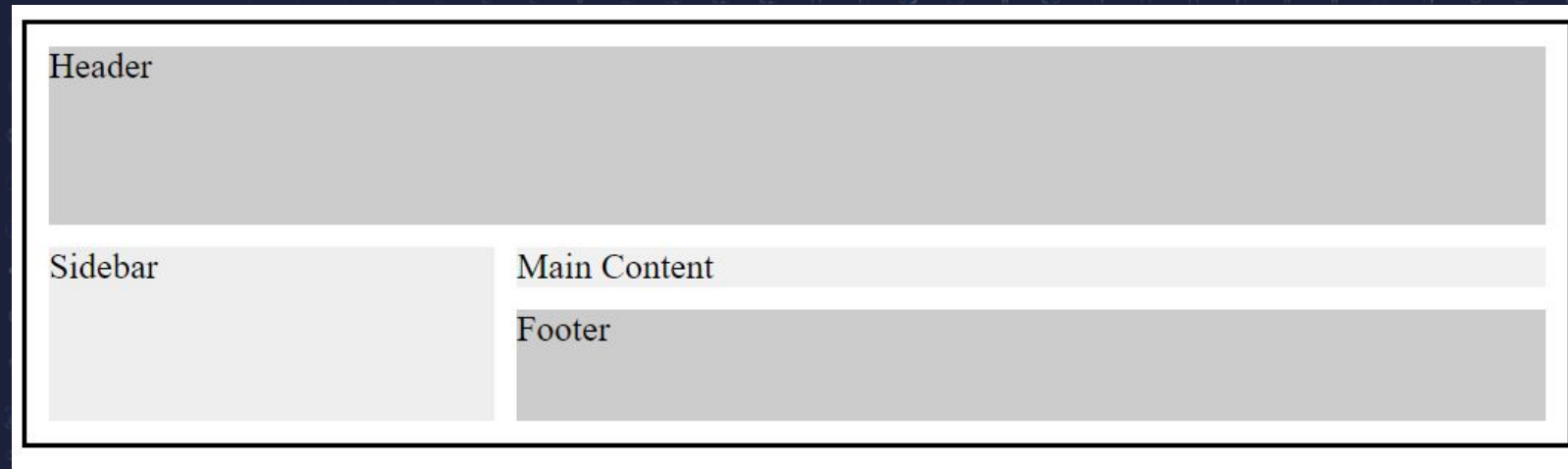
start:2 end:3 start2: end 4

grid-area

grid-area property allows you to specify the starting and ending positions of a grid item along both the horizontal and vertical axes in a single declaration.

```css
.grid-container {
  display: grid;
  grid-template-areas:
    "header header header"
    "sidebar main main"
    "sidebar footer
footer";
  grid-template-rows: 80px
1fr 50px;
  grid-template-columns:
200px 1fr 1fr;
  grid-gap: 10px;
  background-color: #fff;
  border: 2px solid #000;
  padding: 10px;
}
```

```css
.header {
  grid-area: header;
  background-color: #ccc;
}
.sidebar {
  grid-area: sidebar;
  background-color: #eee;
}
.main {
  grid-area: main;
  background-color:
#f1f1f1;
}
.footer {
  grid-area: footer;
  background-color: #ccc;
}
```

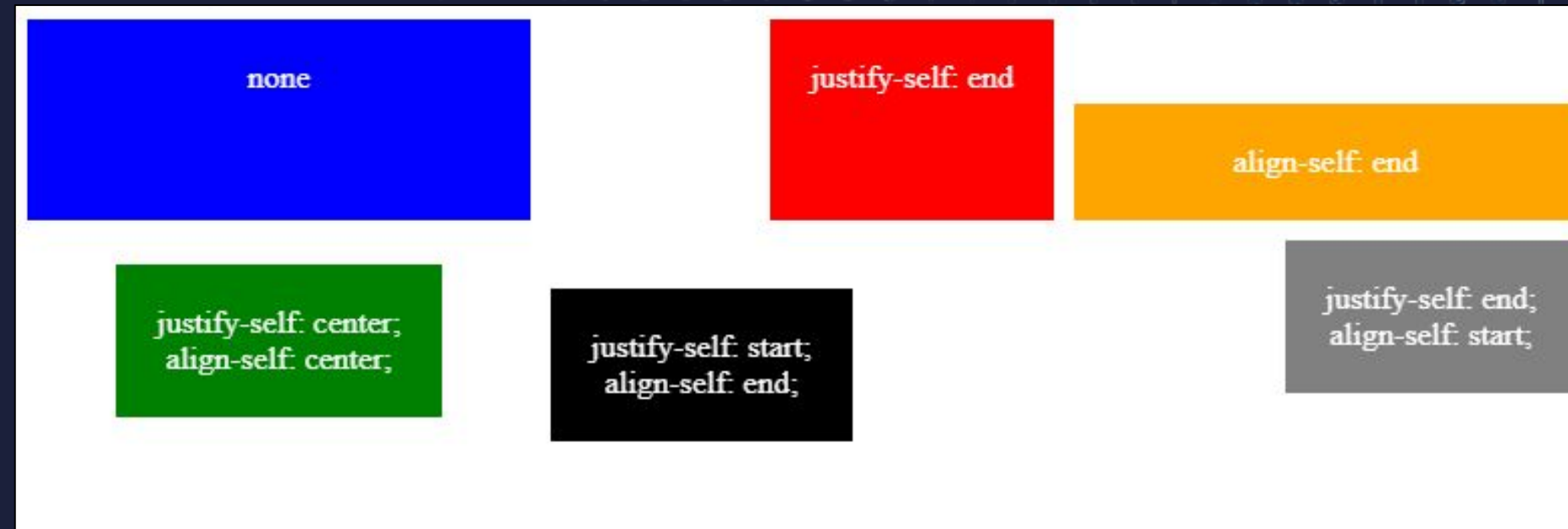| Header	
Sidebar	Main Content
	Footer

justify-self and align-self

justify-self and align-self properties control the alignment of a grid item within its grid cell along the horizontal and vertical axes, respectively.

```css
.grid-item {
  background-color: #ddd;
  padding: 20px;
  text-align: center;
}
.grid-item:nth-child(2) {
  justify-self: end;
}
.grid-item:nth-child(3) {
  align-self: end;
}
.grid-item:nth-child(4) {
  justify-self: center;
  align-self: center;
}
.grid-item:nth-child(5) {
  justify-self: start;
  align-self: end;
}
.grid-item:nth-child(6) {
  justify-self: end;
  align-self: start;
}
```
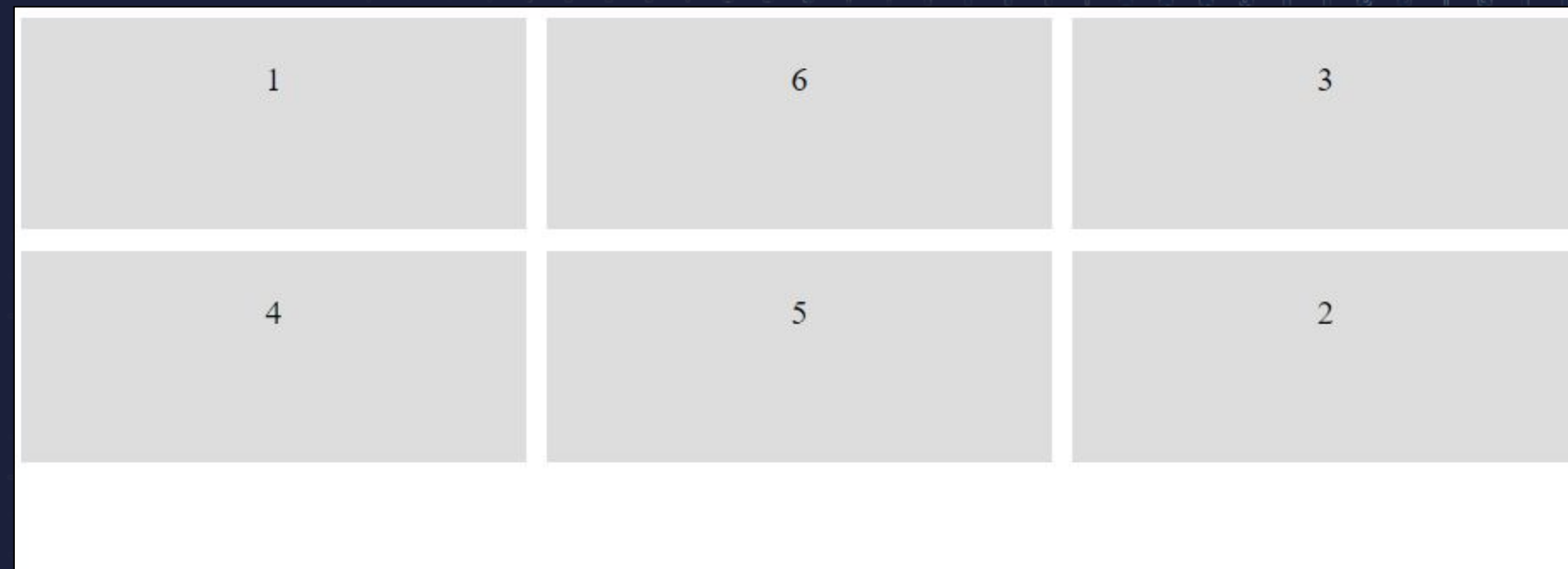
order

The order property defines the order in which a grid item is displayed within its grid container. The value can be a numeric value or the keyword auto.

```css
.grid-item {
  background-color: #ddd;
  padding: 20px;
  text-align: center;
}

.grid-item:nth-child(2) {
  order: 6;
}

.grid-item:nth-child(3) {
  order: 2;
}

.grid-item:nth-child(4) {
  order: 3;
}

.grid-item:nth-child(5) {
  order: 5;
}

.grid-item:nth-child(6) {
  order: 1;
}
```

1	6	3
4	5	2

PW SKILLS

THANK YOU