

# Progetto Digichamps

2022-ONL-00323

selezionato dal Fondo per la Repubblica Digitale – Impresa sociale



Partner del progetto e fornitori



Sapere utile



UNIONCAMERE



AICA



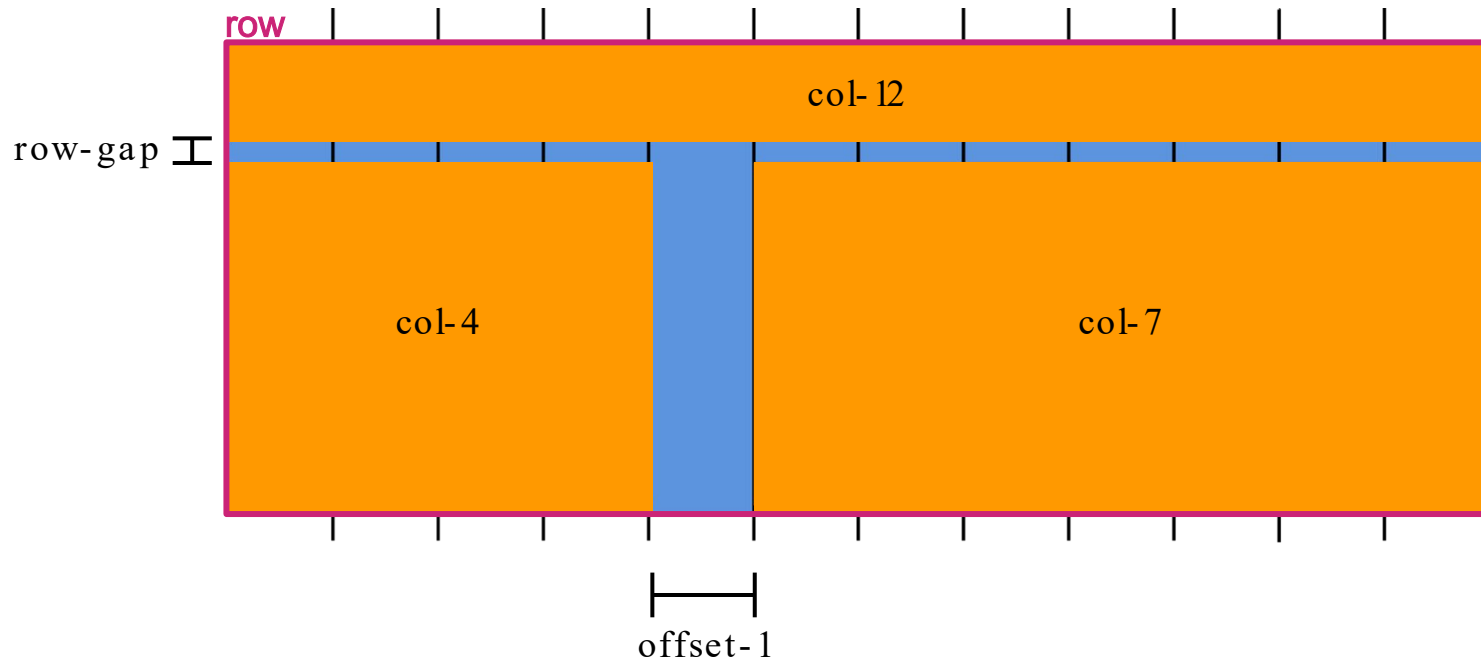
EPICODE

# HTML & CSS 2

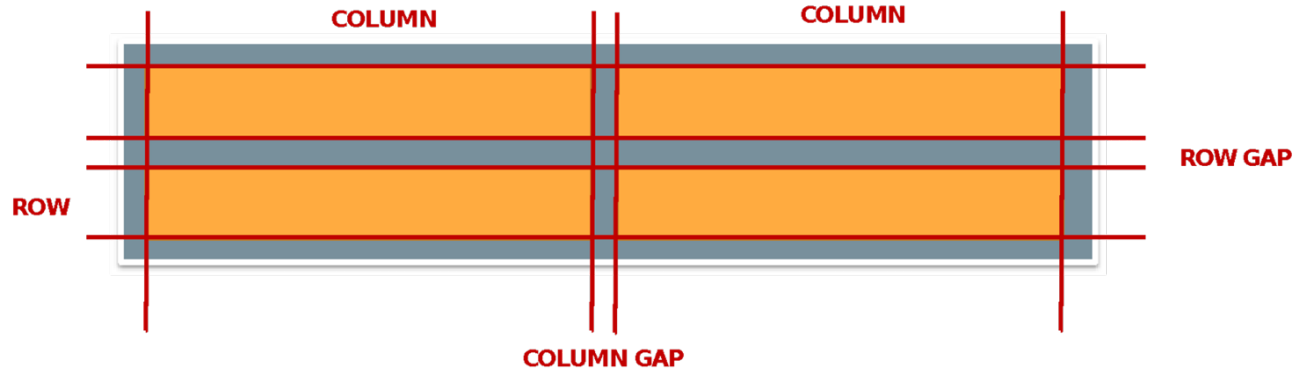
## Giorno 4 [extra]

# CSS Grid: architettura ed elementi parent (containers)

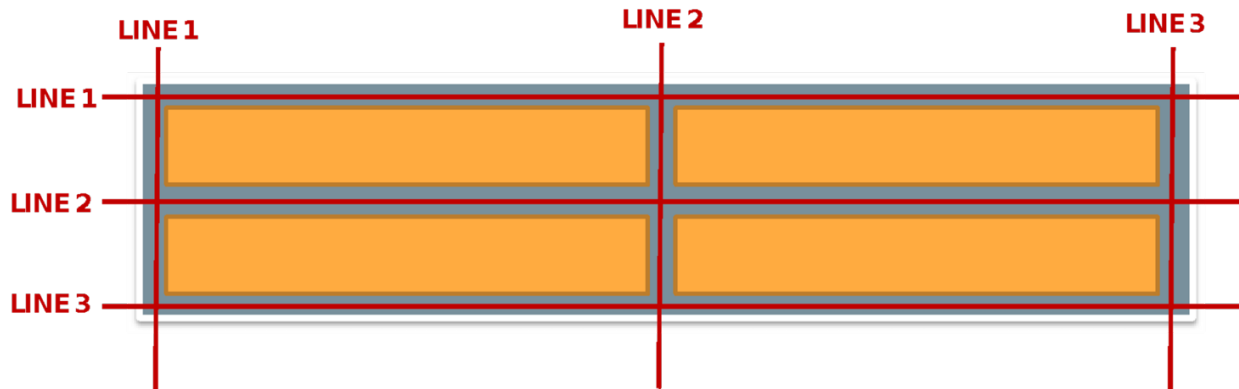
Divisione del viewport in colonne virtuali (solitamente 12)



GRID CONTAINER  
{display:grid;}

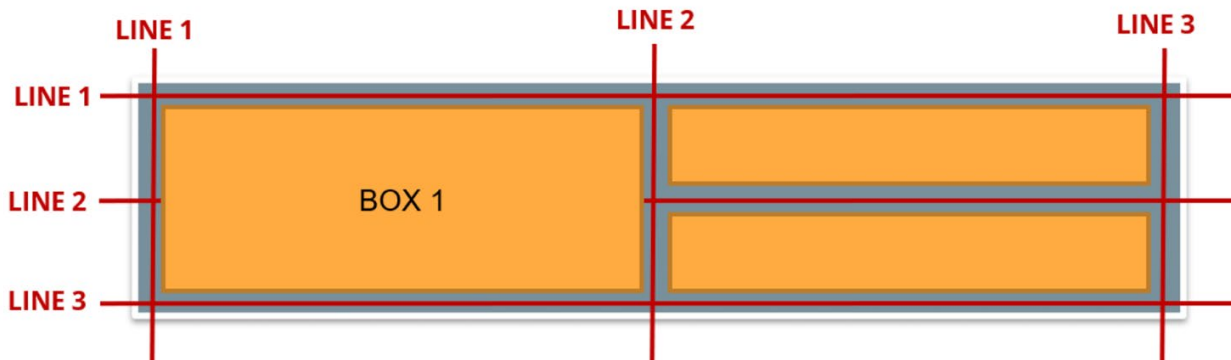


## GRID LINES



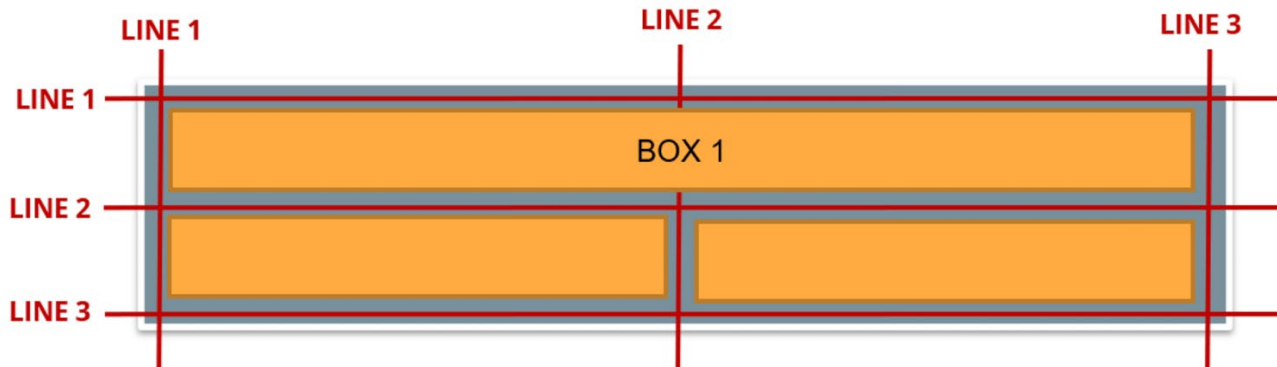
```
div.box1 {  
  grid-column-start: 1;  
  grid-column-end: 2;  
}
```

## GRID LINES



```
div.box1 {  
  grid-row-start: 1;  
  grid-row-end: 3;  
}
```

## GRID LINES

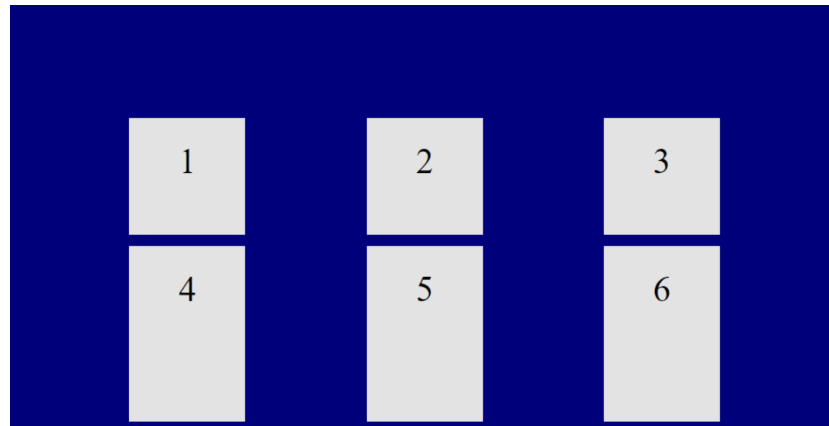


```
div.box1 {  
  grid-column-start: 1;  
  grid-column-end: 3;  
}
```



<b>grid-template-columns</b>	Numero e larghezza di colonne (px, %, fr)
<b>grid-template-rows</b>	Numero e altezza di righe (px, %, fr)
<b>justify-content</b>	Start, End, Center, Space-evenly, Space-between, Space-around
<b>align-content</b>	Start, End, Center, Space-evenly, Space-between, Space-around

```
.grid {  
  display: grid;  
  grid-template-columns: 100px 100px 100px;  
  grid-template-rows: 100px 150px;  
  justify-content: space-evenly;  
  align-content: end;  
  grid-gap: 10px;  
  background-color: navy;  
  padding: 10px;  
  height: 350px;  
}
```



<b>Fr (fractional)</b>	1fr = 1 porzione di spazio rimanente. 1fr 2 fr = 33,3% 66,6%
<b>Minmax( <i>min,max</i> )</b>	Larghezza minima e massima di colonna. Es: <i>grid-template-columns: minmax(100px,40%), 1fr;</i>
<b>Repeat()</b>	Ripetizione di dichiarazione a scopo sintetico. Es: <i>grid-template-columns: repeat(4, 200px);</i>

# CSS Grid: elementi child (items)

<b>grid - column - start</b>	Inizio della colonna
<b>grid - column - end</b>	Fine della colonna
<b>grid - row - start</b>	Inizio della riga
<b>grid - row - end</b>	Fine della riga
<b>grid - column</b>	Sintassi abbreviata

```
div.box1 {  
  grid-column: 1 / 3;  
  grid-row: 1 / span 2;  
}
```

## grid -area

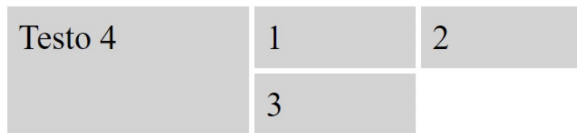
Sintassi abbreviata (row-start, column-start, row-end, column-end)

```
.grid {
  display: grid;
  grid-template-columns: auto auto auto;
  grid-gap: 5px;
}
```

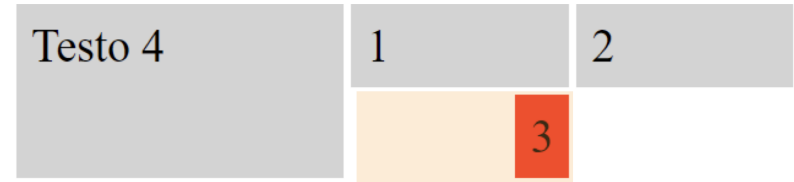
```
.grid > div {
  background-color: lightgray;
  padding: 10px;
}
```

```
.box4 { grid-area: 1 / 1 / 3 / 2; }
```

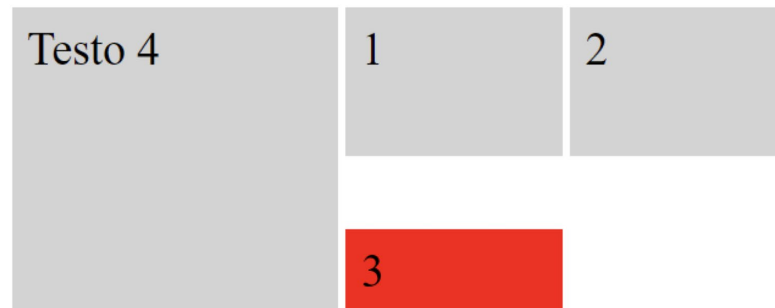
```
<section class="grid">
  <div class="box1">1</div>
  <div class="box2">2</div>
  <div class="box3">3</div>
  <div class="box4">Testo 4</div>
</section>
```



```
.grid .box3 {  
  background-color: ■ red;  
  justify-self: end;  
  /* start, center, end, stretch (default) */  
}
```



```
.grid {  
  display: grid;  
  height: 200px;  
}  
.grid .box3 {  
  background-color: red;  
  align-self: end;  
  /* start, center, end, stretch (default) */  
}
```



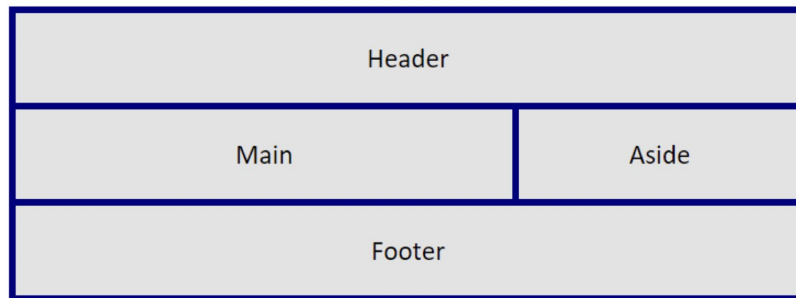


<b>grid -area</b>	Si assegna un nome
<b>grid -template -areas</b>	Nome della Grid-Area. Il «.» (punto) indica un item vuoto

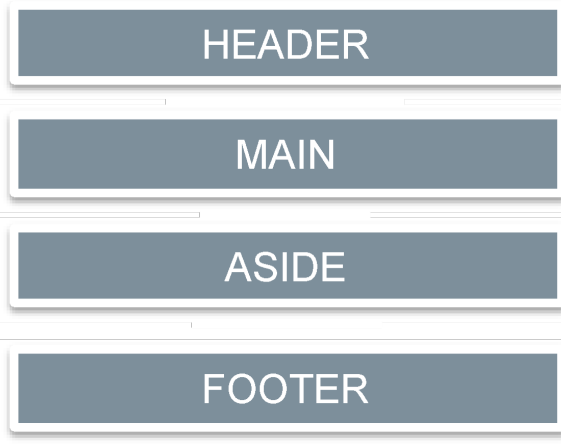
```
div.box1 {  
  grid-area: zona1;  
}  
.grid-container {  
  display: grid;  
  grid-template-areas: 'zona1 zona1 . . .';  
  /* 2 slot occupati + 3 senza nome */  
}
```

```
div.box1 { grid-area: header; }  
div.box2 { grid-area: aside; }  
div.box3 { grid-area: main; }  
div.box4 { grid-area: footer; }
```

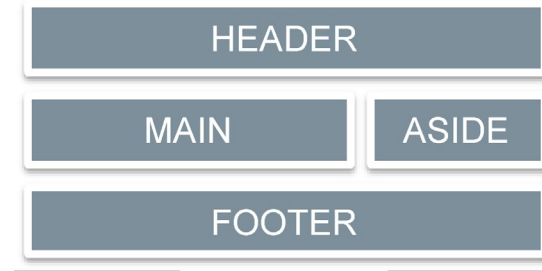
```
section.grid {  
  display: grid;  
  /* suddivisione in 3 colonne virtuali */  
  grid-template-areas:  
    'header header header'  
    'main main aside' /* il main occupa 2 colonne */  
    'footer footer footer';  
  grid-gap: 5px;  
  background-color: navy;  
  padding: 5px;  
}
```



## SU MOBILE



## MEDIA QUERY SU TABLET/DESKTOP





**GRAZIE**  
Epicode