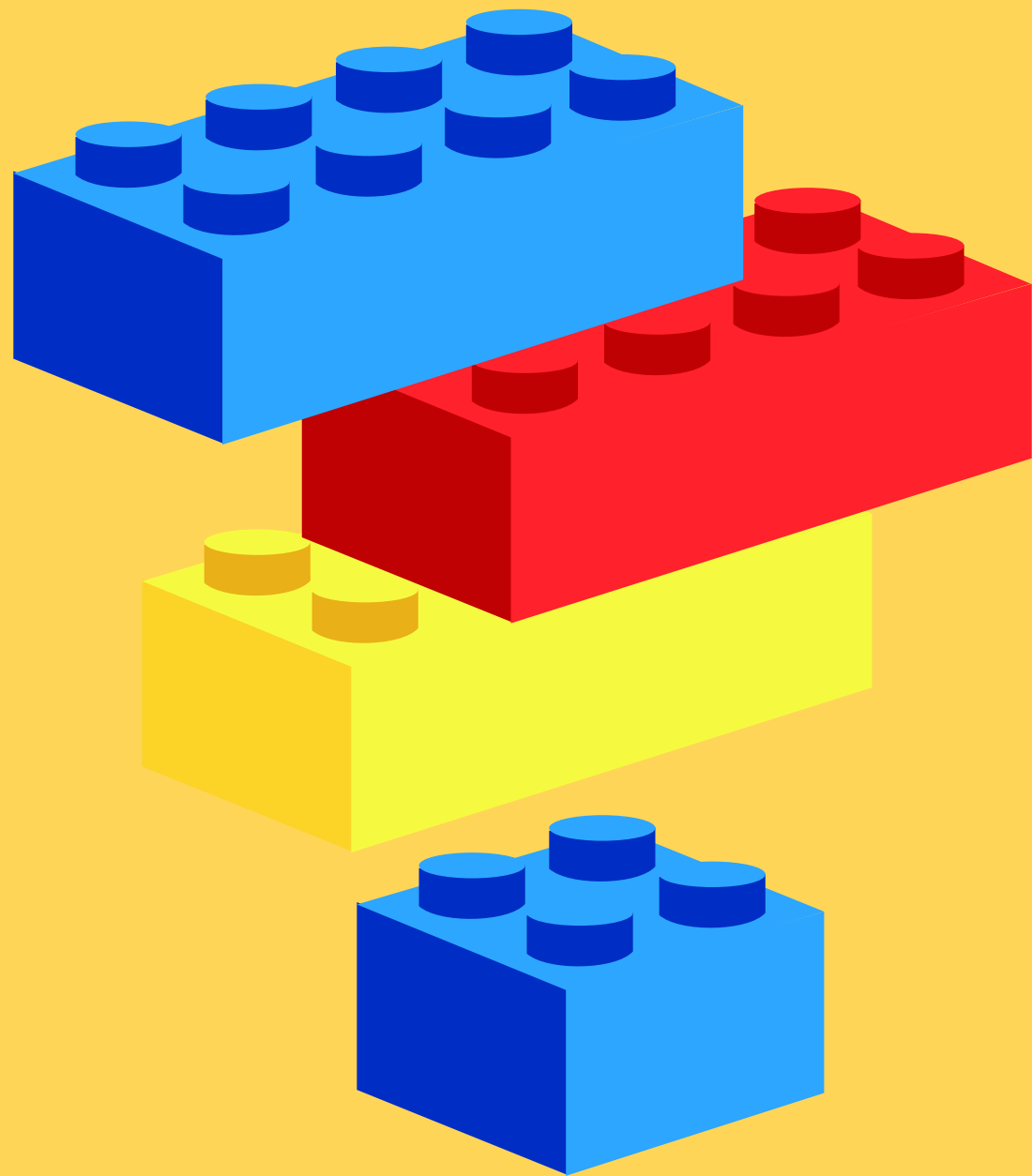




Flutter Layouts



O que vamos aprender?

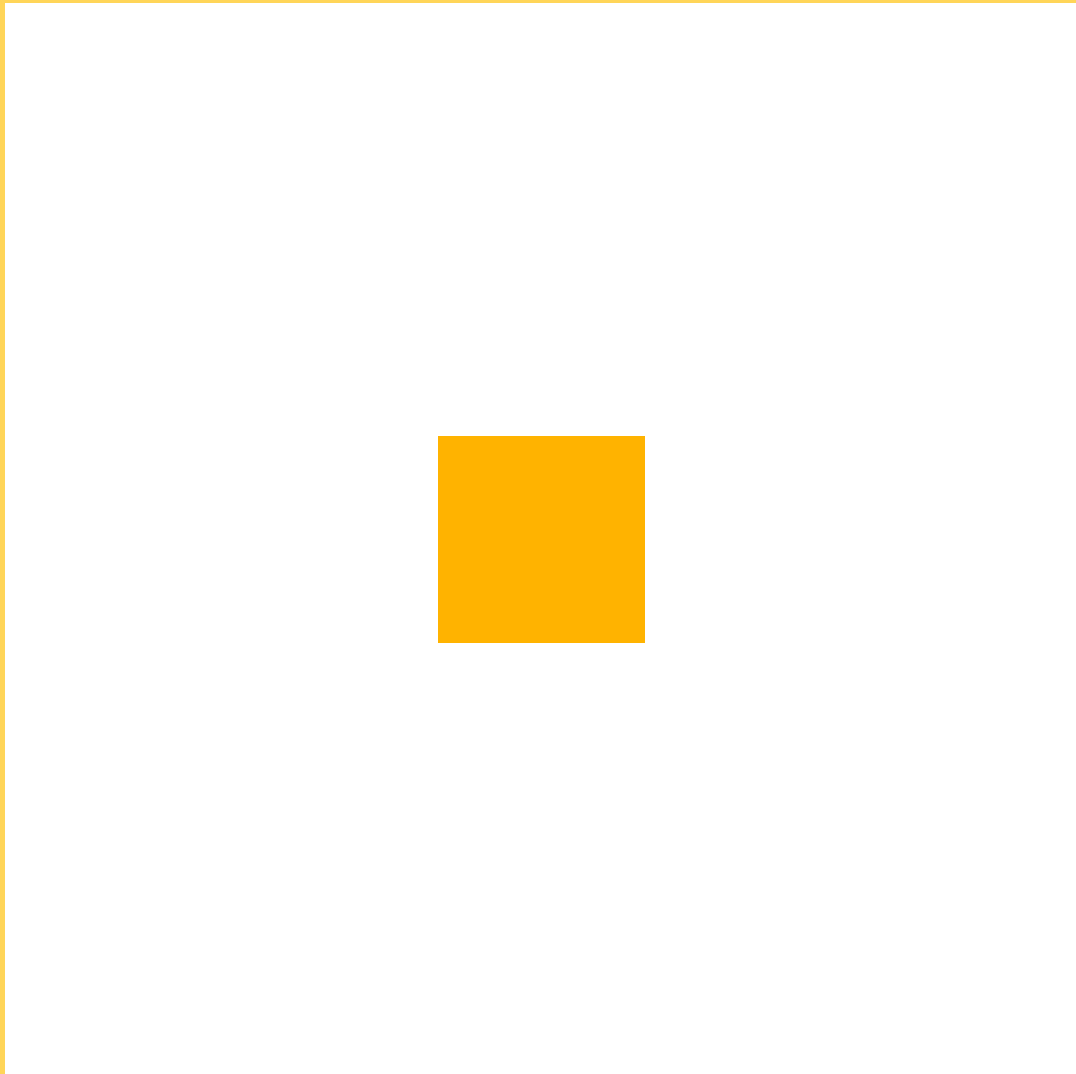


- funcionamento de alguns widgets de layout no Flutter
- Como organizar widgets na vertical e horizontal.
- Como construir um layout em Flutter

Single-child layout widgets



Container



```
Center(  
  child: Container(  
    margin: EdgeInsets.all(10.0),  
    color: Colors.amber[600],  
    width: 48.0,  
    height: 48.0,  
  ),  
)
```

Box Model



Multi-child layout widgets





Column e Row

Column



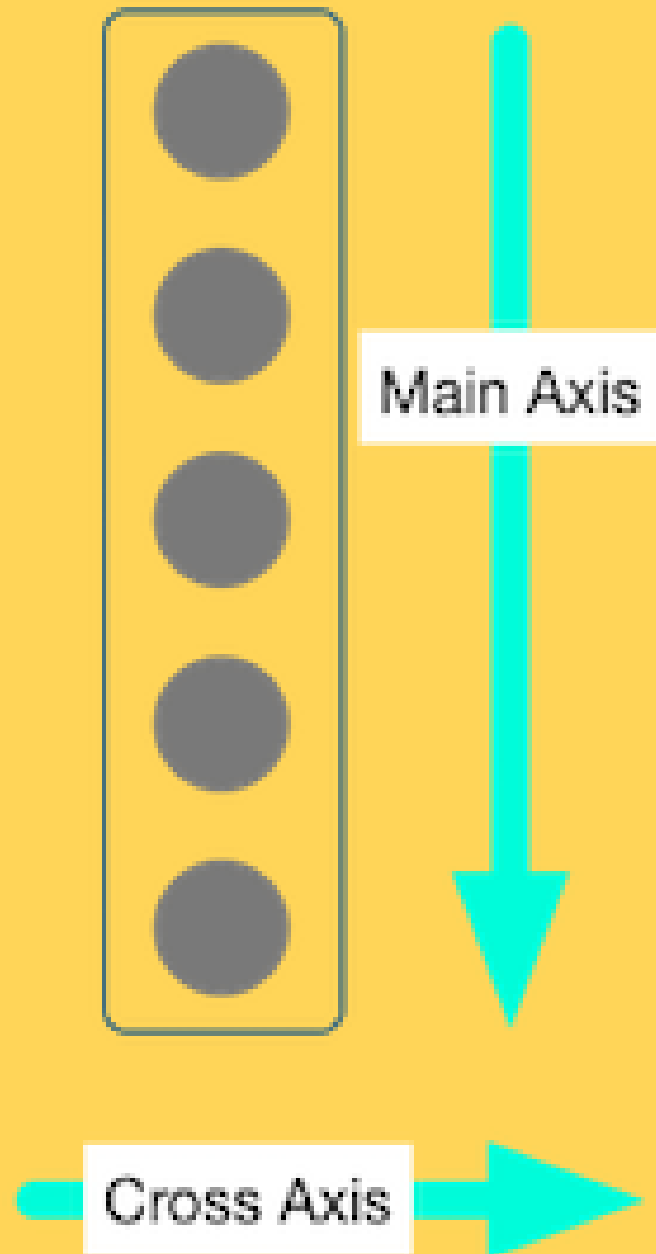
```
Column(  
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
  children: [  
    Image.asset('images/pic1.jpg'),  
    Image.asset('images/pic2.jpg'),  
    Image.asset('images/pic3.jpg'),  
  ],  
);
```


Row

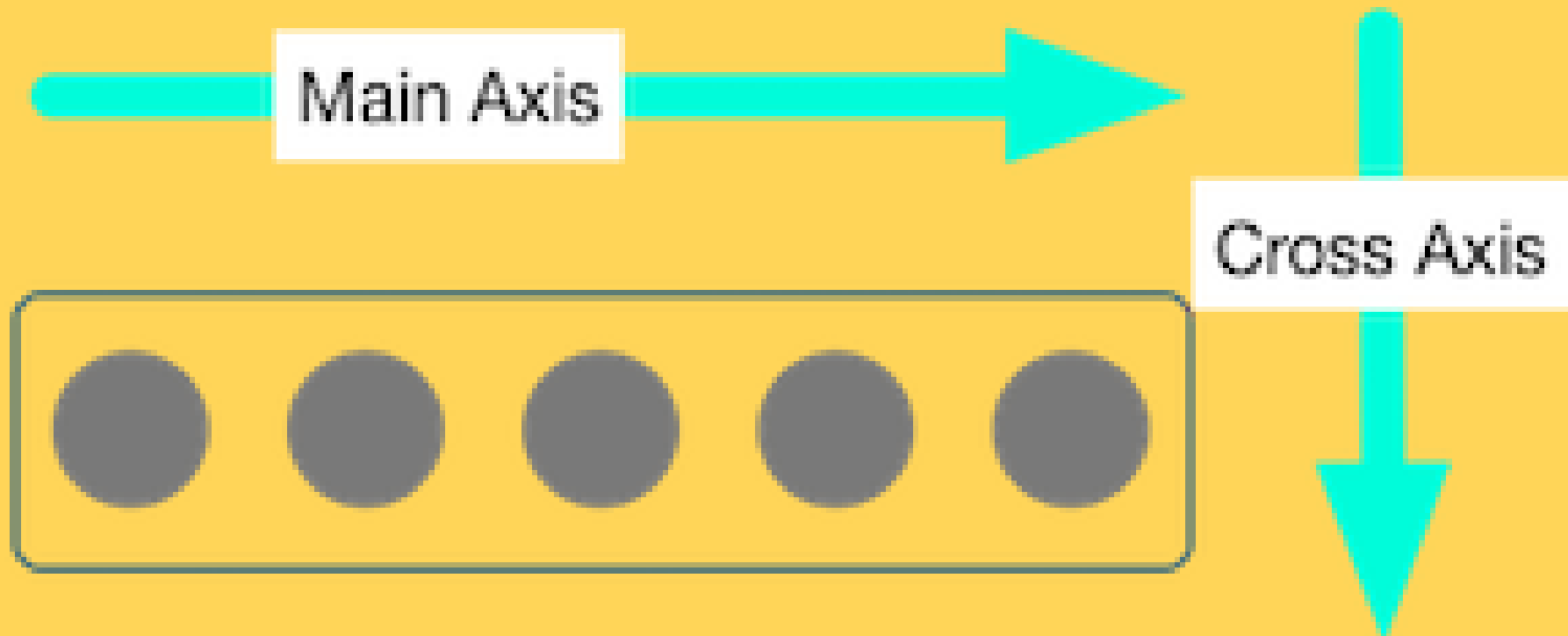


```
Row(  
  mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
  children: [  
    Image.asset('images/pic1.jpg'),  
    Image.asset('images/pic2.jpg'),  
    Image.asset('images/pic3.jpg'),  
  ],  
);
```

Column

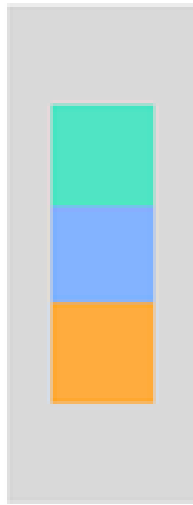
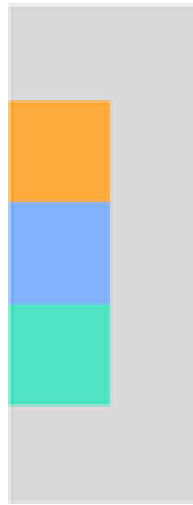
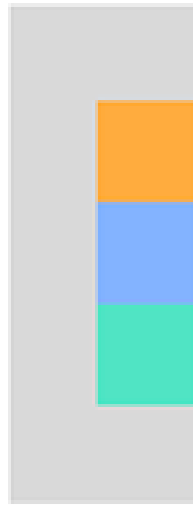


Row



Column

CrossAxis Alignment

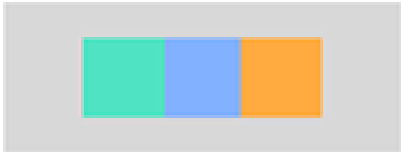



.center	.start	.end	.stretch
			

MainAxis Alignment

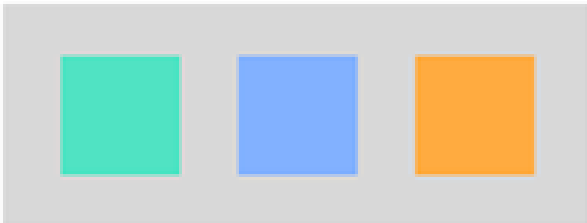
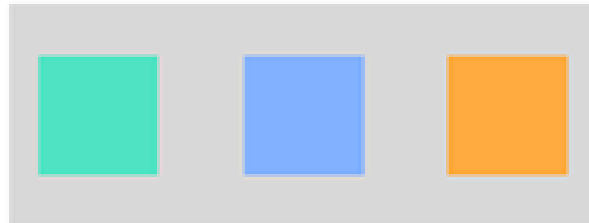
.center	.start	.end	.spaceEvenly	.spaceAround	.spaceBetween
					

Row

CrossAxis Alignment

.center	.start	.end	.stretch
			

MainAxis Alignment

.center	.start	.end
		
.spaceEvenly	.spaceAround	.spaceBetween
		



Expanded

Expanded Column Sample



```
Column(  
  children: <Widget>[  
    Container(  
      color: Colors.blue,  
      height: 100,  
      width: 100,  
    ),  
    Expanded(  
      child: Container(  
        color: Colors.amber,  
        width: 100,  
      ),  
    ),  
    Container(  
      color: Colors.blue,  
      height: 100,  
      width: 100,  
    ),  
  ],  
);
```

Expanded Row Sample

flex: 2

flex: 1

```
Row(  
  children: <Widget>[  
    Expanded(  
      flex: 2,  
      child: Container(  
        color: Colors.amber,  
        height: 100,  
      ),  
    ),  
    Container(  
      color: Colors.blue,  
      height: 100,  
      width: 50,  
    ),  
    Expanded(  
      child: Container(  
        color: Colors.amber,  
        height: 100,  
      ),  
    ),  
  ],  
)
```

**Mão na
massa!**



O que vamos criar?

Cartão Digital

Imagine cada vez que você quis dar a alguém seus dados de contato ou seu cartão de visita, mas não o tinha consigo. Bem, agora você pode fazer com que baixem seu cartão de visita como um aplicativo.



Criando nosso layout.

Analise o layout e tente identificar alguns widgets de que podemos utilizar.





**Obrigado pela
presença!**