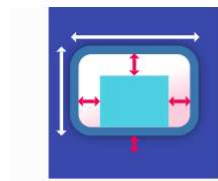


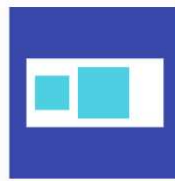
USING BASIC WIDGETS

- When there are elements placed one after another, or vertically top/bottom to another element, you need **Columns**.
- When there are elements placed side by side, or horizontally left/right of another element, you need **Rows**.



Container

A convenience widget that combines common painting, positioning, and sizing widgets.



Row

Layout a list of child widgets in the horizontal direction.



Column

Layout a list of child widgets in the vertical direction.

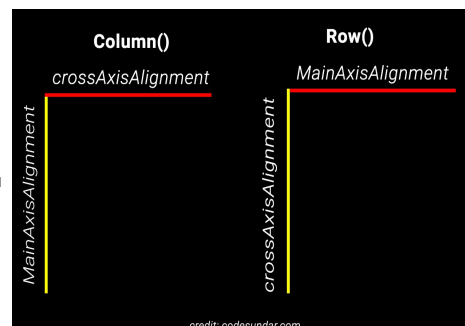
USING BASIC WIDGETS

When building a mobile app, you'll usually implement certain widgets for the base structure.

You can use

CrossAxisAlignment, MainAxisAlignment, and MainAxisSize to align and size how much space is occupied on the main axis.

This Topic is very very important in flutter development, without Rows & Columns you cannot build UI.



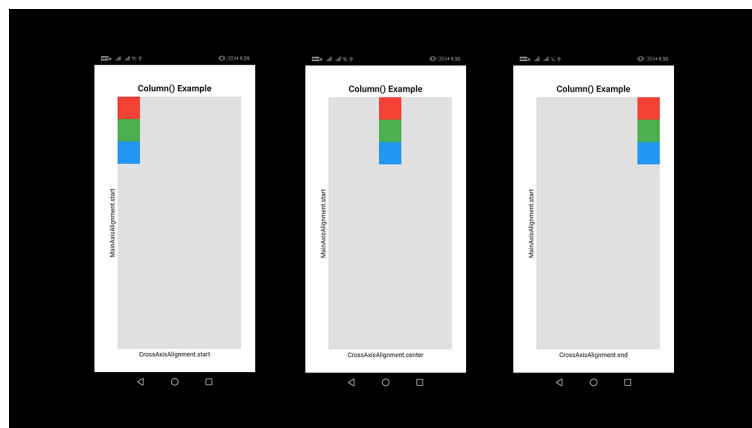
Column Widget

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```
• Container(  
•   color: Colors.grey[300],  
•   width: double.infinity,  
•   height: double.infinity,  
•   child: Column(  
•     mainAxisAlignment: MainAxisAlignment.start,  
•     crossAxisAlignment: CrossAxisAlignment.start,  
•     children: [  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.red,  
•       ),  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.green,  
•       ),  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.blue,  
•       ),  
•     ],  
•   ),  
• ),
```

Column Widget

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In the above example, we Fixed `MainAxisAlignment` in the start position and changed `CrossAxisAlignment` as a start, center, and end position.

Row Widget

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```
• Container(  
•   color: Colors.grey[300],  
•   width: double.infinity,  
•   height: double.infinity,  
•   child: Row(  
•     mainAxisAlignment: MainAxisAlignment.start,  
•     crossAxisAlignment: CrossAxisAlignment.start,  
•     children: [  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.red,  
•       ),  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.green,  
•       ),  
•       Container(  
•         height: 50,  
•         width: 50,  
•         color: Colors.blue,  
•     )  
•   ],  
• ),  
• ),
```

Row Widget

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In the above example, we Fixed CrossAxisAlignment in the start position and changed MainAxisAlignment as a start, center, and end position.