

Flutter – RichText Widget

The ***RichText*** widget is used to display text that uses various different styles. The displayed text is described using a tree of ***TextSpan*** objects, each of which has its own associated style that is used for that *subtree*. Depending on the layout constraints the text might break across multiple lines or might all be displayed on the same line.

Constructors:

Syntax:

```
RichText(  
  {Key key,  
  @required InlineSpan text,  
  TextAlign textAlign: TextAlign.start,  
  TextDirection textDirection,  
  bool softWrap: true,  
  TextOverflow overflow:  
    TextOverflow.clip,  
  double textScaleFactor: 1.0,  
  int maxLines,  
  Locale locale,  
  StrutStyle strutStyle,  
  TextWidthBasis textWidthBasis: TextWidthBasis.parent,  
  TextHeightBehavior textHeightBehavior,
```

Properties:

- **children:** The widgets below this widget in the tree.
- **hashCode:** The hash code for this object.
- **key:** Controls how one widget replaces another widget in the tree.
- **runtimeType:** A representation of the runtime type of the object.
- **text:** The text to display in this widget.
- **textAlign:** How the text should be aligned horizontally.

- **local:** This property takes in *Locale* class as the object. It controls the font used for the text depending on the language used.
- **maxLines:** The *maxLines* property takes in an int value as the object. It controls the maximum number of lines that can be there for the text to expand and wrap.
- **overflow:** *TextOverflow* enum is the object given to its class it controls the text in case of overflow.
- **softWrap:** This property takes in a boolean value as the object. If it is set to false the gulphs in the text become wider.
- **textDirection:** This property takes in *TextDirection* class as the object to decide the direction of the text. It can be either from left-to-right or right-to-left.
- **textHightBehaviour:** *TextHeightBehavior* class is the object given to this property. It controls how the text will be highlighted.
- **textScaleFactor:** This property is taken in a *double* value as the object to determine the relative size of the font.
- **textWidthBasis:** *TextWidthBasis* enum is the object of this property. It controls the width of a single line of text being measured.