**Different ways of responsive in flutter.**

Flutter apps are not responsive by default. However, Flutter allows developers to make their apps Responsive. Let us now learn how to make a Flutter app responsive.

**1. Media Query**

Media Query can be used to get the real-time size (width/height) and orientation (portrait/landscape) of the window screen. It suggests the orientation and size of the app. It is useful if you need to decide based on the complete context rather than just the size of a particular widget.

**2. Layout Builder**

Layout Builder is just a simplified version of Media Query. The main difference between Media Query and Layout Builder is that Media Query is based on the full context of the screen rather than just the size of a particular widget; on the other hand, Layout Builder determines the maximum width and height of a specific widget only. Layout Builder class provides the Box Constraints object that can be used for determining the maxWidth and maxHeight of the widget.

**3. Orientation Builder**

Orientation Builder class can be used to determine a widget’s current orientation. The Orientation Builder widget is like the Layout Builder class. One can get the Orientation object using the builder property of OrientationBuilder class. For example, you can use the OrientationBuilder class to change the number of columns of GridView.

**4. Expanded and Flexible Widgets**

Expanded and Flexible Widgets are two widgets that can be used inside Row, Column, or Flex to give their children the flexibility to expand to fill the available space. The only difference is that the Expanded widget requires the child to fill all the available space, whereas Flexible does not. Also, Expanded and Flexible widgets can be used to get a responsive Flutter UI that works with percentages instead of hardcoded values.

**5. Aspect Ratio Widget**

The Aspect Ratio widget can be used to size the child to a specific aspect ratio. When developing an app, one can neglect its size but must consider the aspect ratio. The AspectRatio widget thus assists you at this point by sizing the child value to a specific aspect ratio and ensures responsive design in Flutter.