

Flutter DataTable Example

Flutter DataTable

If you have fewer rows to display in a table, you can use DataTable.

DataTable is a material design data table where you can display a table with column labels and rows.

Note: Use DataTable if and only if you have fewer rows, because DataTable takes twice the computation for laying out elements on UI.

Syntax

Following is the syntax of a DataTable.

```
DataTable(  
  columns: [  
    DataColumn(label: ),  
    DataColumn(label: ),  
    ...  
    DataColumn(label: )],  
  ],  
  rows: [  
    DataRow(cells: [  
      DataColumn( ),  
      DataColumn( ),  
      ...  
      DataColumn( ),  
    ]),  
    DataRow(cells: [  
      DataColumn( ),  
      DataColumn( ),  
      ...  
      DataColumn( ),  
    ]),  
    ...  
    DataRow(cells: [  
      DataColumn( ),  
      DataColumn( ),  
      ...  
      DataColumn( ),  
    ]),  
  ],  
),
```

DataTable contains columns and rows. columns property takes array of DataColumn and rows property takes array of DataRow. Each DataRow has cells property that takes array of DataCell.

label property of DataColumn takes Widget as value. Also DataCell takes widget as a value. You can provide Text, Image, Icon, or any other widget.

Example

In the following example, we define a simple DataTable with three column labels and three rows.

main.dart

```
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatefulWidget {
  @override
  _MyAppState createState() => _MyAppState();
}

class _MyAppState extends State<MyApp> {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          title: Text('Flutter Tutorial - TutorialKart'),
        ),
        body: ListView(children: <Widget>[
          Center(
            child: Text(
              'Students',
              style: TextStyle(fontSize: 20, fontWeight: FontWeight.bold),
            ),
          ),
          DataTable(
            columns: [
              DataColumn(label: Text('RollNo')),
              DataColumn(label: Text('Name')),
              DataColumn(label: Text('Class')),
            ],
            rows: [
              DataRow(cells: [
                DataCell(Text('1')),
                DataCell(Text('Arya')),
                DataCell(Text('6')),
              ]),
              DataRow(cells: [
                DataCell(Text('12')),
                DataCell(Text('John')),
                DataCell(Text('9')),
              ]),
              DataRow(cells: [
                DataCell(Text('42')),
```

```

        DataCell(Text('Tony')),
        DataCell(Text('8')),
      ],
    ],
  ),
  ])),
);
}
}

```

When you run this Flutter application, you would get the DataTable displayed in UI as shown below.

Flutter - tutorialkart.com		
Students		
RollNo	Name	Class
1	Arya	6
12	John	9
42	Tony	8

Conclusion

In this [Flutter Tutorial](#), we learned how to define DataTable and display a data table in Flutter UI.

Flutter Tutorial

- ◆ [Flutter Tutorial](#)
- ◆ [Flutter - Install on Linux - Ubuntu](#)
- ◆ [Flutter - Basic Application Example](#)

Flutter Widgets

- ◆ [Flutter Text](#)

Flutter Widgets

- ◆ Flutter TextField
- ◆ Flutter FlatButton
- ◆ Flutter RaisedButton
- ◆ Flutter SnackBar
- ◆ Flutter Switch
- ◆ Flutter ToggleButtons
- ◆ Flutter Table
- ⇒ **Flutter DataTable**
- ◆ Flutter Tooltip
- ◆ Flutter TabBar & TabBarView

Flutter Animation

- ◆ Flutter Animation Basic Example
- ◆ Flutter Animate Color

Flutter Packages

- ◆ Flutter sqflite - SQLite Tutorial

Flutter Examples

- ◆ Flutter Login Screen Sample