

Flutter Calendar:

A calendar is a system used to organize the days, weeks, or months for commercial, religious, social, or administrative purposes. It keeps a record about which events fall on a particular date and when the special events will happen. In this section, we are going to explain how to display and use the calendar widget in our Flutter application.

[Flutter](#) provides a simple widget named **table_calendar** to show the calendar in our app. The table calendar is highly customizable and has many features, such as gesture, animation, and multiple formats.

Step 1: Create a new Flutter project in the [IDE](#) you are using and give its title as Flutter Calendar Example.

Step 2: Open the project, navigate to the lib folder, and open the **pubspec.yaml** file. In this file, we need to add the table_calendar dependency as below:

1. dependencies:
2. flutter:
3. sdk: flutter
4. table_calendar: ^19.3.57

Step 3: After adding the above dependency, we need to run the below command to get the required packages:

1. \$ flutter pub get

Step 4: Next, import the dependency in the dart file as below:

1. **import** 'package:syncfusion_flutter_calendar/calendar.dart';

Step 5: After this, we need a calendar controller and initialize the calendar as **CalendarController**.

1. CalendarController _controller;
- 2.
3. @override

```
4. void initState() {  
5.   super.initState();  
6.   _controller = CalendarController();  
7. }
```

Step 6: Next, we have to add the **calendar widget** as a child of any widget. Here, we are going to add the calendar widget as a child of the scaffold widget.

```
1. @override  
2. Widget build(BuildContext context) {  
3.   return Scaffold(  
4.     body: SingleChildScrollView(  
5.       child: Column(  
6.         children: <Widget>[  
7.           TableCalendar()  
8.         ],  
9.       ),  
10.     ),  
11.   );
```

Step 7: Now, we can write our logic and add styling to display the calendar.

```

1  import 'package:flutter/material.dart';
2  import 'package:syncfusion_flutter_calendar/calendar.dart';
3
4  import 'package:table_calendar/table_calendar.dart';
5
6  class MyCalendar extends StatefulWidget {
7    const MyCalendar({Key? key}) : super(key: key);
8
9    @override
10   _MyCalendarState createState() => _MyCalendarState();
11 }
12
13 class _MyCalendarState extends State<MyCalendar> {
14   CalendarController? calendarController;
15   DateTime _focusedDay = DateTime.now();
16   DateTime? _selectedDay;
17
18   CalendarFormat _calendarFormat = CalendarFormat.month;
19   @override
20   void initState() {
21     super.initState();
22     calendarController = CalendarController();
23   }
24
25   @override
26   Widget build(BuildContext context) {
27     return Scaffold(
28       appBar: AppBar(
29         title: const Text('Flutter Calendar Example'),
30       ), // AppBar
31       body: SingleChildScrollView(
32         child: Column(
33           children: [
34             TableCalendar(
35               focusedDay: _focusedDay,
36               firstDay: DateTime(2015, 1, 1),
37               lastDay: DateTime(2030, 12, 30),

```

```

38         selectedDayPredicate: (day) {
39             | return isSameDay(_selectedDay, day);
40         },
41         onDaySelected: (selectedDay, focusedDay) {
42             | setState(() {
43                 | _selectedDay = selectedDay;
44                 | _focusedDay = focusedDay;
45                 | print(_selectedDay);
46             | });
47         },
48         calendarFormat: _calendarFormat,
49         onFormatChanged: (CalendarFormat? format) {
50             | setState(() {
51                 | _calendarFormat = format!;
52             | });
53         },
54     ), // TableCalendar
55 ],
56 ), // Column
57 ), // SingleChildScrollView
58 ); // Scaffold
59 }
60 }

```