Program to demonstrate the use of SQFLITE Database:

Code:

Main.dart:

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

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

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(

        colorScheme: ColorScheme.fromSeed(seedColor: Colors.blue),
        useMaterial3: true,
      ),
      home: const MyHomePage(title: 'Flutter Demo Home Page'),
    );
  }
}

class MyHomePage extends StatefulWidget {
  const MyHomePage({super.key, required this.title});

  final String title;

  @override
  State<MyHomePage> createState() => _MyHomePageState();
}

class _MyHomePageState extends State<MyHomePage> {
  int _counter = 0;

  void _incrementCounter() {
    setState(() {
    });
  }
  @override
  Widget build(BuildContext context) {

    return Scaffold(
```

```dart
    appBar: AppBar(

     backgroundColor: Theme.of(context).colorScheme.inversePrimary,

     title: Text("DataBase Sandeep"),
    ),
    body: Center(
     child: Column(
      children: [
       ElevatedButton(onPressed: () async
       {
         int i = await DatabaseHelper.instance.insert(
         {
          DatabaseHelper.columnname: 'Banana'
         });
         print('Inserted id is: $i');
       },
         child: Text('Add Records')),
       ElevatedButton(onPressed: () async
       {
        List<Map<String,dynamic>> rows =

          await DatabaseHelper.instance.showAll();
        print(rows);
       },
         child: Text('Show Records')),

       ElevatedButton(onPressed: () async
       {
        int updateId = await DatabaseHelper.instance.update(
         { DatabaseHelper.columnid:2,
          DatabaseHelper.columnname: 'Ripened Apple'
        }
        );
        print('Updated $updateId rows');
       }, child: Text('Update Records')),

       ElevatedButton(onPressed: () async
       {
        int rowsaffected = await DatabaseHelper.instance.delete(3);

        print(rowsaffected);
       }, child: Text('Delete Records')),
      ],
     )
    ),
   );
  }
}
```
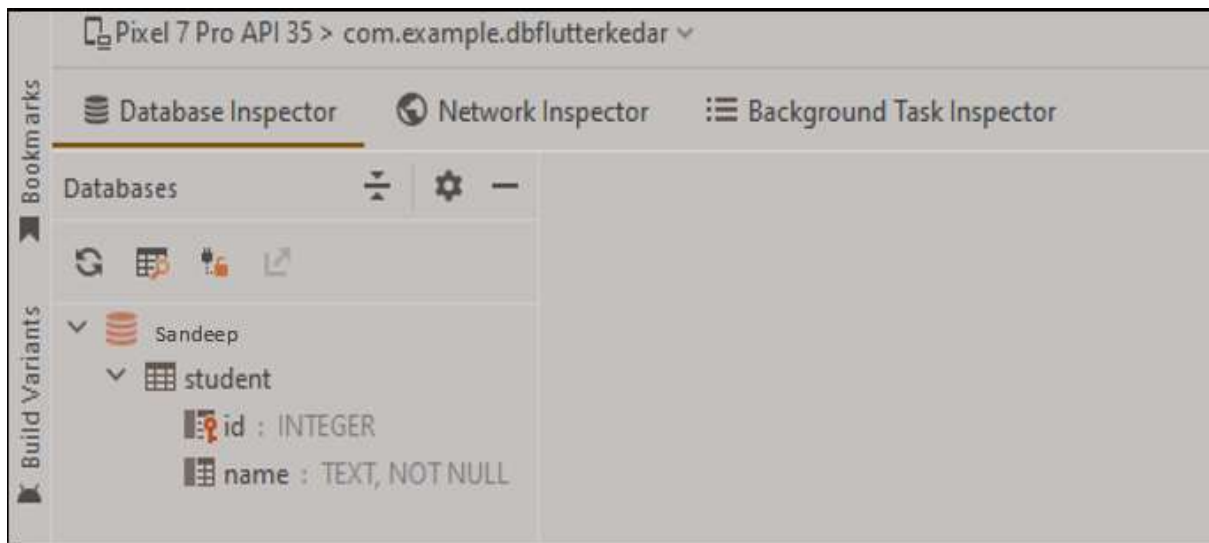
OUTPUT:

Database student:

ADD RECORD:

id	name
1	Banana
2	Banana

2024-11-18 00:35:52.757 21150-21230 flutter   com.example.dbfluttersandeep   I Inserted id is: 4
2024-11-18 00:35:52.991 417-537 audioserver   audioserver

SHOW RECORD:-

UPDATE RECORD:

2024-11-18 00:37:06.462 21150-21230 flutter	com.example.dbflutterkedar	I	Updated 1 rows
2024-11-18 00:37:06.605 417-537 audioserver	audioserver	D	logFgsApiEnd: FG:
2024-11-18 00:37:08.976 584-1743 WifiNl80211Manager	system_server	D	Scan result read
2024-11-18 00:37:08.976 584-1743 WifiNative	system_server	D	Scan result read

Updated records:

audioserver	D	logFgsApiBegin: FGS Logger Transaction failed, -129
com.example.dbflutterkedar	I	[{id: 1, name: Banana}, {id: 2, name: Ripened Apple}, {id: 3, name: Banana}, {id: 4, name: Kedar}]
system_server	W	No piid assigned for invalid/internal port id 16
audioserver	D	mixer(0x75fa8c0f78e0) throttle end: throttle time(31)
audioserver	D	logFgsApiEnd: FGS Logger Transaction failed, -129

DELETE RECORD:

2024-11-18 00:39:10.908 417-537 AudioFlinger	audioserver	D	mixer
2024-11-18 00:39:10.922 21150-21230 flutter	com.example.dbflutterkedar	I	1
2024-11-18 00:39:11.071 417-537 audioserver	audioserver	D	logFg

Deleted record:

audioserver	D	mixer(0x75fa8c0f78e0) throttle end: throttle time(31)
com.example.dbflutterkedar	I	[{id: 1, name: Banana}, {id: 2, name: Ripened Apple}, {id: 4, name: Kedar}]
audioserver	D	logFgsApiEnd: FGS Logger Transaction failed, -129