

## EX: 3

### Program :

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

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

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

  @override
  Widget build(BuildContext context) {
    return const MaterialApp(
      debugShowCheckedModeBanner: false,
      home: StudentHome(),
    );
  }
}

/* ----- STUDENT MODEL ----- */
class Student {
  String name;
  String rollNo;

  Student(this.name, this.rollNo);
}

/* ----- HOME SCREEN ----- */
class StudentHome extends StatefulWidget {
  const StudentHome({super.key});

  @override
  State<StudentHome> createState() => _StudentHomeState();
}

class _StudentHomeState extends State<StudentHome> {
  List<Student> students = [];

  final TextEditingController nameController = TextEditingController();
  final TextEditingController rollController = TextEditingController();
}
```

```

void addStudent() {
  if (nameController.text.isNotEmpty &&
      rollController.text.isNotEmpty) {
    setState(() {
      students.add(
        Student(nameController.text, rollController.text),
      );
      nameController.clear();
      rollController.clear();
    });
  }
}

```

```

void deleteStudent(int index) {
  setState(() {
    students.removeAt(index);
  });
}

```

```

@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(title: const Text("Student Record Manager")),
    body: Padding(
      padding: const EdgeInsets.all(16),
      child: Column(
        children: [
          TextField(
            controller: nameController,
            decoration: const InputDecoration(
              labelText: "Student Name",
              border: OutlineInputBorder(),
            ),
          ),
          const SizedBox(height: 10),
          TextField(
            controller: rollController,
            decoration: const InputDecoration(
              labelText: "Roll Number",
              border: OutlineInputBorder(),
            ),
          ),
        ],
      ),
    ),
  );
}

```

```

const SizedBox(height: 10),
  ElevatedButton(
    onPressed: addStudent,
    child: const Text("Add Student"),
  ),
const SizedBox(height: 20),
Expanded(
  child: students.isEmpty
    ? const Center(child: Text("No records found"))
    : ListView.builder(
      itemCount: students.length,
      itemBuilder: (context, index) {
        return Card(
          child: ListTile(
            title: Text(students[index].name),
            subtitle:
              Text("Roll No: ${students[index].rollNo}"),
            trailing: IconButton(
              icon: const Icon(Icons.delete, color: Colors.red),
              onPressed: () => deleteStudent(index),
            ),
          ),
        );
      },
    ),
),
),
),
),
);
}
}

```

**Output:**

## Student Record Manager

Add Student

No records found

## Student Record Manager

Student Name

Roll Number

Add Student

G.Dharshini  
Roll No: 23ucs104



M.Sathya  
Roll No: 23ucs146



M.Shivani sri  
Roll No: 23ucs149



V.Viona  
Roll No: 23ucs048

