```
1 package com.example.curdoperation;
 2
 3 public class User {
 4
 5
       int id;
 6
       String name;
 7
       String surname;
 8
       String password;
 9
       String department;
10
11
       public User(int id, String name, String surname,
   String password, String department){
12
           this.id = id;
13
           this.name = name;
14
           this.surname = surname;
15
           this.password = password;
16
           this.department = department;
       }
17
18
       public int getId(){
19
20
           return id;
21
       }
22
23
       public String getDepartment() {
24
           return department;
25
       }
26
27
       public String getName() {
28
           return name;
29
       }
30
31
       public String getSurname() {
32
           return surname;
33
       }
34
35
       public String getPassword() {
36
           return password;
37
       }
38 }
39
```

```
1 package com.example.curdoperation;
 2
 3 import android.app.AlertDialog;
 4 import android.content.Context;
 5 import android.content.DialogInterface;
 6 import android.database.Cursor;
 7 import android.database.sglite.SQLiteDatabase;
 8 import android.view.LayoutInflater;
 9 import android.view.View;
10 import android.view.ViewGroup;
11 import android.widget.ArrayAdapter;
12 import android.widget.Button;
13 import android.widget.EditText;
14 import android.widget.Spinner;
15 import android.widget.TextView;
16 import android.widget.Toast;
17
18 import androidx.annotation.NonNull;
19 import androidx.annotation.Nullable;
20
21 import java.util.List;
22
23 public class UserAdapter extends ArrayAdapter<User> {
24
25
26
       Context context;
27
       int listLayoutRes;
28
       List<User> userlist;
29
       SQLiteDatabase mDatabase;
30
31
        public UserAdapter(Context ctn,int list,List<</pre>
   User> user, SQLiteDatabase lite){
32
33
            super(ctn,list,user);
34
35
               this.context = ctn;
36
               this.userlist = user;
37
               this.listLayoutRes = list;
38
               this.mDatabase = lite;
39
        }
40
```

72

);

```
73
 74
 75
            btndelete.setOnClickListener(
 76
                     new View.OnClickListener() {
 77
                         @Override
 78
                         public void onClick(View v) {
 79
                             AlertDialog.Builder builder
     = new AlertDialog.Builder(context);
                             builder.setTitle("Are you
 80
    sure ?");
                             builder.setPositiveButton("
 81
    YES", new DialogInterface.OnClickListener() {
                                  @Override
 82
 83
                                 public void onClick(
    DialogInterface dialog, int which) {
 84
                                      String sql = "DELETE
     FROM User WHERE id = ?";
 85
                                      mDatabase.execSQL(
    sql,new Integer[]{user.getId()});
 86
    reloadEmployeesFromDatabase();
 87
                                 }
 88
 89
 90
                             });
 91
                             builder.setNegativeButton("
    Cancel", new DialogInterface.OnClickListener() {
 92
                                  @Override
 93
                                 public void onClick(
    DialogInterface dialogInterface, int i) {
 94
                                 }
 95
                             });
 96
 97
 98
                             AlertDialog dialog = builder
    .create();
 99
                             dialog.show();
                         }
100
                     }
101
102
            );
103
```

```
File - F:\mscit sem 3\Curdoperation\app\src\main\java\com\example\curdoperation\UserAdapter.java
104
                      view;
             return
105
106
         }
107
108
         private void updateuser(final User user){
       final AlertDialog.Builder builder = new
109
    AlertDialog.Builder(context);
110
111
       LayoutInflater inflater = LayoutInflater.from(
    context);
       View view = inflater.inflate(R.layout.editlayour,
112
    null);
       builder.setView(view);
113
114
115
       final EditText name = view.findViewById(R.id.
    editTextName);
116
             final EditText surname = view.findViewById(R
     .id.esurname);
117
             final EditText password = view.findViewById(
    R.id.epassword);
118
             final Spinner department = view.findViewById
     (R.id.spinnerDepartment);
119
120
             final
                     AlertDialog alertDialog = builder.
    create():
121
             alertDialog.show();
122
123
             view.findViewById(R.id.buttonUpdateEmployee
     ).setOnClickListener(
124
                      new View.OnClickListener() {
125
                          @Override
126
                          public void onClick(View v) {
127
                               String namee = name.getText
     ().toString().trim();
128
129
                               String esurname = surname.
     getText().toString().trim();
130
131
                               String passworde = password.
     getText().toString().trim();
132
```

));

cursorEmployees.getString(4)

),

161

162

```
1 package com.example.curdoperation;
 2
 3 import android.database.Cursor;
 4 import android.database.sqlite.SQLiteDatabase;
 5 import android.os.Bundle;
 6 import android.widget.ListView;
 7
 8 import androidx.activity.EdgeToEdge;
 9 import androidx.appcompat.app.AppCompatActivity;
10 import androidx.core.graphics.Insets;
11 import androidx.core.view.ViewCompat;
12 import androidx.core.view.WindowInsetsCompat;
13
14 import java.util.ArrayList;
15 import java.util.List;
16
17 public class Editactivity extends AppCompatActivity {
18
       List<User> employeeList;
19
       SQLiteDatabase mDatabase;
20
       ListView listViewEmployees;
21
       UserAdapter adapter;
22
23
       @Override
24
       protected void onCreate(Bundle savedInstanceState
   ) {
25
           super.onCreate(savedInstanceState);
           setContentView(R.layout.activity_editactivity
26
   );
27
28
           // Initialize list and database
29
           employeeList = new ArrayList<>();
30
           mDatabase = openOrCreateDatabase(MainActivity
   .Database_NAME, MODE_PRIVATE, null);
31
32
           // Initialize ListView
33
           listViewEmployees = findViewById(R.id.
   listViewEmployees);
34
35
           // Load employees from database
36
           showEmployeesFromDatabase();
       }
37
```

```
38
39
       private void showEmployeesFromDatabase() {
           Cursor cursorEmployees = mDatabase.rawQuery("
40
   SELECT * FROM User", null);
41
42
           // Check if the cursor has data
43
           if (cursorEmployees.moveToFirst()) {
               employeeList.clear();
44
45
               do {
46
                    // Add each record to the employee
   list
                   employeeList.add(new User(
47
48
                            cursorEmployees.getInt(0),
49
                            cursorEmployees.getString(1),
50
                            cursorEmployees.getString(2),
51
                            cursorEmployees.getString(3),
                            cursorEmployees.getString(4)
52
                   ));
53
               } while (cursorEmployees.moveToNext());
54
55
           }
56
57
           // Close the cursor
58
           cursorEmployees.close();
59
60
           // Create and set the adapter
61
           adapter = new UserAdapter(this, R.layout.
   list_layout_design, employeeList, mDatabase);
62
           listViewEmployees.setAdapter(adapter);
63
       }
64 }
```

```
1 package com.example.curdoperation;
 2
 3 import android.content.Intent;
 4 import android.database.sqlite.SQLiteDatabase;
 5 import android.os.Bundle;
 6 import android.view.View;
 7 import android.widget.Button;
 8 import android.widget.EditText;
 9 import android.widget.Spinner;
10 import android.widget.TextView;
11 import android.widget.Toast;
12
13 import androidx.activity.EdgeToEdge;
14 import androidx.appcompat.app.AppCompatActivity;
15 import androidx.core.graphics.Insets;
16 import androidx.core.view.ViewCompat;
17 import androidx.core.view.WindowInsetsCompat;
18
19 public class MainActivity extends AppCompatActivity {
20
21
       public static
                      final
                              String Database_NAME = "
   User";
22
       EditText name, surname, password;
23
       Spinner department;
24
       Button btnsave, btnnext;
25
26
       SQLiteDatabase sqLiteDatabase;
27
28
       @Override
       protected void onCreate(Bundle savedInstanceState
29
   ) {
30
           super.onCreate(savedInstanceState);
31
           setContentView(R.layout.activity_main);
32
33
           name = findViewById(R.id.editName);
34
           surname = findViewById(R.id.editsurnamee);
35
           password = findViewById(R.id.
   editTextTextPassword);
36
           department = findViewById(R.id.spinner);
37
           btnsave = findViewById(R.id.btnadd);
38
           btnnext = findViewById(R.id.btnnext);
```

```
39
40
           sgLiteDatabase = openOrCreateDatabase(
   Database_NAME, MODE_PRIVATE, null);
41
42
           createDatabase();
43
44
           btnnext.setOnClickListener(
45
                    new View.OnClickListener() {
46
                        @Override
47
                        public void onClick(View v) {
48
                            startActivity(new Intent(
   MainActivity.this, Editactivity.class));
49
                            Toast.makeText(
   getApplicationContext(),"this",Toast.LENGTH_LONG).
   show();
                        }
50
                    }
51
           );
52
53
54
55
56
           btnsave.setOnClickListener(
57
                    new View.OnClickListener() {
58
                        @Override
                        public void onClick(View v) {
59
60
                            adduser();
                        }
61
62
63
64
                    }
65
           );
       }
66
67
68
       private void createDatabase(){
69
70
           sqLiteDatabase.execSQL("CREATE TABLE IF NOT
   EXISTS User (" +
71
                    "id INTEGER PRIMARY KEY AUTOINCREMENT
72
                    "NAME VARCHAR(200) NOT NULL, " +
73
                    "SURNAME VARCHAR(200) NOT NULL, " +
```

```
"PASSWORD VARCHAR(200) NOT NULL, " +
74
75
                    "DEPARTMENT VARCHAR(200) NOT NULL" +
                    ");");
76
77
78
79
       }
80
       private void adduser() {
81
82
           String addname = name.getText().toString().
   trim();
83
           String addsurname = surname.getText().
   toString().trim();
84
           String adddepartment = department.
   qetSelectedItem().toString();
85
           String passwordadd = password.getText().
   toString().trim();
86
87
88
           String adduser = "INSERT INTO User (NAME,
   SURNAME, PASSWORD, DEPARTMENT) VALUES (? ,? ,? ,?)";
89
90
           sqLiteDatabase.execSQL(adduser, new String[]{
91
                    addname, addsurname, passwordadd,
   adddepartment
           });
92
93
           Toast.makeText(getApplicationContext(),"The
94
   user added successfully", Toast.LENGTH_LONG).show();
95
       }
96
97 }
98
```