

Employee detail1

Employee Details

Enter Employee ID: 4

Enter Name: Roy

Enter salary: 45000

AddDelete

ModifyView

View All

123

456

789

0

Done

Employee detail1

Employee Details

Employee details Details

Employee id: 1  
Name: Anto  
salary: 25000

Employee id: 2  
Name: king  
salary: 30000

Employee id: 3  
Name: martin  
salary: 35000

Employee id: 4  
Name: Roy  
salary: 45000

Employee detail1

Employee Details

Enter Employee ID:

Enter Name:

Enter salary:

Success

Record added

View All

123

456

789

0

Next

Employee detail1

Employee Details

Enter Employee ID:

Enter Name:

Enter salary:

Error

Please enter Employee id

View All

123

456

789

0

Next

## activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<AbsoluteLayout xmlns:android="http://schemas.android.com/apk/res/android"
```

```
    android:id="@+id/myLayout"
```

```
    android:stretchColumns="0"
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="fill_parent">
```

```
    <TextView    android:text="@string/title"
```

```
        android:layout_x="110dp"
```

```
        android:layout_y="10dp"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"/>
```

```
    <TextView    android:text="@string/empid"
```

```
        android:layout_x="30dp"
```

```
        android:layout_y="50dp"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"/>
```

```
    <EditText    android:id="@+id/editEmpid"
```

```
        android:labelFor="@+id/editEmpid"
```

```
        android:inputType="number"
```

```
        android:layout_x="150dp"
```

```
        android:layout_y="50dp"
```

```
        android:layout_width="150dp"
```

```
        android:layout_height="40dp"/>
```

```
    <TextView    android:text="@string/name"
```

```
        android:layout_x="30dp"
```

```
        android:layout_y="100dp"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"/>
```

```
<EditText    android:id="@+id/editName"
              android:inputType="text"
              android:layout_x="150dp"
              android:layout_y="100dp"
              android:layout_width="150dp"
              android:layout_height="40dp"/>
```

```
<TextView    android:text="@string/salary"
              android:layout_x="30dp"
              android:layout_y="150dp"
              android:layout_width="wrap_content"
              android:layout_height="wrap_content"/>
```

```
<EditText    android:id="@+id/editsalary"
              android:inputType="number"
              android:layout_x="150dp"
              android:layout_y="150dp"
              android:layout_width="150dp"
              android:layout_height="40dp"/>
```

```
<Button      android:id="@+id/btnAdd"
              android:text="@string/add"
              android:layout_x="30dp"
              android:layout_y="200dp"
              android:layout_width="130dp"
              android:layout_height="40dp"/>
```

```
<Button        android:id="@+id/btnDelete"
                android:text="@string/delete"
                android:layout_x="160dp"
                android:layout_y="200dp"
                android:layout_width="130dp"
                android:layout_height="40dp"/>
```

```
<Button        android:id="@+id/btnModify"
                android:text="@string/modify"
                android:layout_x="30dp"
                android:layout_y="250dp"
                android:layout_width="130dp"
                android:layout_height="40dp"/>
```

```
<Button        android:id="@+id/btnView"
                android:text="@string/view"
                android:layout_x="160dp"
                android:layout_y="250dp"
                android:layout_width="130dp"
                android:layout_height="40dp"/>
```

```
<Button        android:id="@+id/btnViewAll"
                android:text="@string/view_all"
                android:layout_x="85dp"
                android:layout_y="300dp"
                android:layout_width="150dp"
                android:layout_height="40dp"/>
```

```
</AbsoluteLayout>
```

## **MainActivity.java**

```
package com.example.dbdemo;

import android.app.AlertDialog.Builder;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.view.View;
import android.view.View.OnClickListener;
import android.widget.Button;
import android.widget.EditText;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.MenuItem;

public class MainActivity extends Activity implements OnClickListener {

    EditText editEmpid,editName,editsalary;
    Button btnAdd,btnDelete,btnModify,btnView,btnViewAll;
    SQLiteDatabase db;
    /** Called when the activity is first created. */

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```

editEmpid=(EditText)findViewById(R.id.editEmpid);
editName=(EditText)findViewById(R.id.editName);
editsalary=(EditText)findViewById(R.id.editsalary);
btnAdd=(Button)findViewById(R.id.btnAdd);
btnDelete=(Button)findViewById(R.id.btnDelete);
btnModify=(Button)findViewById(R.id.btnModify);
btnView=(Button)findViewById(R.id.btnView);
btnViewAll=(Button)findViewById(R.id.btnViewAll);
btnAdd.setOnClickListener(this);
btnDelete.setOnClickListener(this);
btnModify.setOnClickListener(this);
btnView.setOnClickListener(this);
btnViewAll.setOnClickListener(this);
db=openOrCreateDatabase("EmployeeDB", Context.MODE_PRIVATE, null);
db.execSQL("CREATE TABLE IF NOT EXISTS employee(empid VARCHAR,name
VARCHAR,salary VARCHAR);");
}

```

```

public void onClick(View view)

```

```

{

```

```

if(view==btnAdd)

```

```

{

```

```

if(editEmpid.getText().toString().trim().length()==0||

```

```

editName.getText().toString().trim().length()==0||

```

```

editsalary.getText().toString().trim().length()==0)

```

```

{

```

```

showMessage("Error", "Please enter all values");

```

```

return;

```

```

}

```

```

db.execSQL("INSERT INTO employee VALUES('"+editEmpid.getText()+"','"+editName.getText()+"',
','"+editsalary.getText()+"');");

```

```

showMessage("Success", "Record added");

```

```

clearText();
}
if(view==btnDelete)
{
if(editEmpid.getText().toString().trim().length()==0)
{
showMessage("Error", "Please enter Employee id");
return;
}
Cursor c=db.rawQuery("SELECT * FROM employee WHERE empid='"+editEmpid.getText()+"",
null);
if(c.moveToFirst())
{
db.execSQL("DELETE FROM employee WHERE empid='"+editEmpid.getText()+"");
showMessage("Success", "Record Deleted");
}
else
{
showMessage("Error", "Invalid Employee id");
}
clearText();
}
if(view==btnModify)
{
if(editEmpid.getText().toString().trim().length()==0)
{
showMessage("Error", "Please enter Employee id");
return;
}
Cursor c=db.rawQuery("SELECT * FROM employee WHERE
empid='"+editEmpid.getText()+"", null);
if(c.moveToFirst())

```

```

    {
        db.execSQL("UPDATE employee SET
name='"+editName.getText()+"',salary='"+editsalary.getText()+"' WHERE
empid='"+editEmpid.getText()+"'");

        showMessage("Success", "Record Modified");
    }
    else
    {
        showMessage("Error", "Invalid Rollno");
    }
    clearText();
}
if(view==btnView)
{
    if(editEmpid.getText().toString().trim().length()==0)
    {
        showMessage("Error", "Please enter Employee id");
        return;
    }

    Cursor c=db.rawQuery("SELECT * FROM employee WHERE
empid='"+editEmpid.getText()+"'", null);
    if(c.moveToFirst())
    {
        editName.setText(c.getString(1));
        editsalary.setText(c.getString(2));
    }
    else
    {
        showMessage("Error", "Invalid Employee id");
        clearText();
    }
}
}

```



```

if(view==btnViewAll)
{
Cursor c=db.rawQuery("SELECT * FROM employee", null);
if(c.getCount()==0)
{
    showMessage("Error", "No records found");
    return;
}
StringBuffer buffer=new StringBuffer();
while(c.moveToNext())
{
    buffer.append("Employee id: "+c.getString(0)+"\n");
    buffer.append("Name: "+c.getString(1)+"\n");
    buffer.append("salary: "+c.getString(2)+"\n\n");
}
showMessage("Employee details Details", buffer.toString());
}
}

```

```

public void showMessage(String title,String message)
{
    Builder builder=new Builder(this);
    builder.setCancelable(true);
    builder.setTitle(title);
    builder.setMessage(message);
    builder.show();
}

```

```

public void clearText()
{
    editEmpid.setText("");
}

```

```
editName.setText("");
editsalary.setText("");
editEmpid.requestFocus();
}
```

@Override

```
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is present.
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}
```

@Override

```
public boolean onOptionsItemSelected(MenuItem item) {
    // Handle action bar item clicks here. The action bar will
    // automatically handle clicks on the Home/Up button, so long
    // as you specify a parent activity in AndroidManifest.xml.
    int id = item.getItemId();
    if (id == R.id.action_settings) {
        return true;
    }
    return super.onOptionsItemSelected(item);
}
}
```

## Strings.xml

```
<?xml version="1.0" encoding="utf-8"?>

<resources>

    <string name="app_name">Employee detail1</string>
    <string name="hello_world">Hello world!</string>
    <string name="action_settings">Settings</string>
    <string name="title">Employee Details</string>
        <string name="empid">Enter Employee ID: </string>
        <string name="name">Enter Name: </string>
        <string name="salary">Enter salary: </string>
        <string name="add">Add Employee</string>
        <string name="delete">Delete Employee</string>
        <string name="modify">Modify Employee</string>
        <string name="view">View Employee</string>
        <string name="view_all">View All Employee</string>

</resources>
```