**MAIN ACTIVITY**

**package** com.example.splitbill;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Context;  
**import** android.content.Intent;  
**import** android.database.Cursor;  
**import** android.database.sqlite.SQLiteDatabase;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.app.AlertDialog.Builder;  
  
**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener {  
 EditText **editbillamt**,**editdate**,**editname**;  
 EditText **editnoofper**,**editunique**;  
 Button **b1**,**btnAdd**,**btnDelete**,**btnModify**,**btnView**,**btnViewAll**,**BtnShowInfo**;  
 SQLiteDatabase **db**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **editnoofper**=(EditText)findViewById(R.id.***editpersons***);  
 **editbillamt**=(EditText)findViewById(R.id.***editbillamt***);  
 **editdate**=(EditText) findViewById(R.id.***editdate***);  
 **editname**=(EditText) findViewById(R.id.***editname***);  
 **editunique**=(EditText) findViewById(R.id.***editunique***);  
 **b1**=(Button)findViewById(R.id.***button***);  
 **btnAdd** = (Button) findViewById(R.id.***btnadd***);  
 **btnDelete** = (Button) findViewById(R.id.***btndel***);  
 **btnModify** = (Button) findViewById(R.id.***btnmodify***);  
 **btnView** = (Button) findViewById(R.id.***btnview***);  
 **btnViewAll** = (Button) findViewById(R.id.***btnviewall***);  
 **BtnShowInfo** = (Button) findViewById (R. id.***btnshowinfo***);  
 **btnAdd**.setOnClickListener(**this**);  
 **btnDelete**.setOnClickListener(**this**);  
 **btnModify**.setOnClickListener(**this**);  
 **btnView**.setOnClickListener(**this**);  
 **btnViewAll**.setOnClickListener(**this**);  
 **BtnShowInfo**.setOnClickListener(**this**);  
 display();  
 **db** = openOrCreateDatabase(**"BillDB"**, Context.***MODE\_PRIVATE***, **null**);  
 **db**.execSQL(**"CREATE TABLE IF NOT EXISTS bill(rollno NUMBER,date DATE,name VARCHAR,noofper INTEGER,billamt INTEGER);"**);  
  
 }  
 **public void** display()  
 {  
  
 **b1**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent ob=**new** Intent(getApplicationContext(),Main2Activity.**class**);  
 String m1=**editnoofper**.getText().toString();  
 String m2=**editbillamt**.getText().toString();  
 **int** x=Integer.*parseInt*(m1);  
 **int** y=Integer.*parseInt*(m2);  
 **int** z= y/x;  
 String z1 = String.*valueOf*(z);  
 ob.putExtra(**"value1"**,z1);  
 startActivity(ob);  
 }  
 });  
 }  
 **public void** onClick(View view) {  
 **if** (view == **btnAdd**) {  
 **if** (**editunique**.getText().toString().trim().length() == 0 ||**editname**.getText().toString().trim().length() == 0 ||  
 **editbillamt**.getText().toString().trim().length() == 0 ||  
 **editnoofper**.getText().toString().trim().length() == 0||  
 **editdate**.getText().toString().trim().length()==0) {  
 showMessage(**"Error"**, **"Please enter all values"**);  
 **return**;  
 }  
 **db**.execSQL(**"INSERT INTO bill VALUES('"** + **editunique**.getText() + **"','"** +**editdate**.getText() + **"','"** + **editname**.getText() +  
 **"','"** + **editnoofper**.getText() + **"','"** + **editbillamt**.getText() + **"');"**);  
 showMessage(**"Success"**, **"Record added"**);  
 clearText();  
 }  
 **if** (view == **btnDelete**) {  
 **if** (**editunique**.getText().toString().trim().length() == 0) {  
 showMessage(**"Error"**, **"Please enter Uniqueno"**);  
 **return**;  
 }  
 Cursor c = **db**.rawQuery(**"SELECT \* FROM bill WHERE rollno='"** + **editunique**.getText() + **"'"**, **null**);  
 **if** (c.moveToFirst()) {  
 **db**.execSQL(**"DELETE FROM bill WHERE rollno='"** + **editunique**.getText() + **"'"**);  
 showMessage(**"Success"**, **"Record Deleted"**);  
 } **else** {  
 showMessage(**"Error"**, **"Invalid Uniqueno"**);  
 }  
 clearText();  
 }  
 **if** (view == **btnModify**) {  
 **if** (**editunique**.getText().toString().trim().length() == 0) {  
 showMessage(**"Error"**, **"Please enter Uniqueno"**);  
 **return**;  
 }  
 Cursor c = **db**.rawQuery(**"SELECT \* FROM bill WHERE rollno='"** + **editunique**.getText() + **"'"**, **null**);  
 **if** (c.moveToFirst()) {  
 **db**.execSQL(**"UPDATE bill SET date='"**+**editdate**.getText() + **"',name='"** + **editname**.getText() + **"',noofper='"** + **editnoofper**.getText() +**"',billamt='"**+ **editbillamt**.getText() +  
 **"' WHERE rollno='"** + **editunique**.getText() + **"'"**);  
 showMessage(**"Success"**, **"Record Modified"**);  
 } **else** {  
 showMessage(**"Error"**, **"Invalid Uniqueno"**);  
 }  
 clearText();  
 }  
 **if** (view == **btnView**) {  
 **if** (**editunique**.getText().toString().trim().length() == 0) {  
 showMessage(**"Error"**, **"Please enter Uniqueno"**);  
 **return**;  
 }  
 Cursor c = **db**.rawQuery(**"SELECT \* FROM bill WHERE rollno='"** + **editunique**.getText() + **"'"**, **null**);  
 **if** (c.moveToFirst()) {  
 **editunique**.setText(c.getString(0));  
 **editdate**.setText(c.getString(1));  
 **editname**.setText(c.getString(2));  
 **editnoofper**.setText(c.getString(3));  
 **editbillamt**.setText(c.getString(4));  
 } **else** {  
 showMessage(**"Error"**, **"Invalid Uniqueno"**);  
 clearText();  
 }  
 }  
 **if** (view == **btnViewAll**) {  
 Cursor c = **db**.rawQuery(**"SELECT \* FROM bill"**, **null**);  
 **if** (c.getCount() == 0) {  
 showMessage(**"Error"**, **"No records found"**);  
 **return**;  
 }  
 StringBuffer buffer = **new** StringBuffer();  
 **while** (c.moveToNext()) {  
 buffer.append(**"rollno: "** + c.getString(0) + **"\n"**);  
 buffer.append(**"date: "** + c.getString(1) + **"\n"**);  
 buffer.append(**"name: "** + c.getString(2) + **"\n"**);  
 buffer.append(**"noofper: "** + c.getString(3) + **"\n"**);  
 buffer.append(**"billamt: "** + c.getString(4) + **"\n\n"**);  
 }  
 showMessage(**"Bill Details"**, buffer.toString());  
 }  
 **if** (view == **BtnShowInfo**) {  
 showMessage(**"Split Bill Application"**, **""**);  
 }  
 }  
 **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() {  
 **editunique**.setText(**""**);  
 **editdate**.setText(**""**);  
 **editname**.setText(**""**);  
 **editnoofper**.setText(**""**);  
 **editbillamt**.setText(**""**);  
 **editunique**.requestFocus();  
 }  
  
  
}

MAINACTIVITY 2

**package** com.example.splitbill;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.widget.TextView;  
  
**public class** Main2Activity **extends** AppCompatActivity {  
 TextView **tx3**;  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
 **tx3**=(TextView)findViewById(R.id.***textView4***);  
 Bundle extras=getIntent().getExtras();  
 **tx3**.setText(extras.getString(**"value1"**));  
 }  
}