2.

package com.example.mycalculator;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
 int sum = 0;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Button button = (Button) findViewById(R.id.*button*);  
 Intent intent = new Intent(this, MainActivity2.class);  
 EditText e1 = (EditText) findViewById(R.id.*editTextNumber*);  
 EditText e2 = (EditText) findViewById(R.id.*editTextNumber2*);  
 button.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 sum = Integer.*parseInt*(e1.getText().toString()) +  
  
 Integer.*parseInt*(e2.getText().toString());  
 intent.putExtra("ans", sum);  
 startActivity(intent);  
 }  
 });  
 }  
}

package com.example.mycalculator;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity2 extends AppCompatActivity {  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 Bundle extras = getIntent().getExtras();  
 int sum = extras.getInt("ans");  
 Toast.*makeText*(this, "The sum is "+sum, Toast.*LENGTH\_SHORT*).show();  
 TextView t1 = (TextView) findViewById(R.id.*textView6*);  
 t1.setText("The sum is "+sum);  
 }  
}

package com.example.intents;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

EditText T1=findViewById(R.id.edit);

Button b1=findViewById(R.id.button);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

EditText e = (EditText)findViewById(R.id.edit);

Uri u = Uri.parse("tel:" + e.getText().toString());

Intent i = new Intent(Intent.ACTION\_DIAL, u);

startActivity(i);

}

});

}

}

**3.**

package com.example.program2\_aman;import androidx.appcompat.app.AppCompatActivity;import android.os.Bundle;import android.view.View;import android.widget.EditText;public class MainActivity extends AppCompatActivity { boolean isNewOp = true; String op,oldNumber; EditText ed1; @Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); ed1 = findViewById(R.id.*editText*); } public void numberEvent(View view){ if(isNewOp) ed1.setText(""); isNewOp = false; String number = ed1.getText().toString(); switch (view.getId()){ case R.id.*bu0*: number+="0"; break; case R.id.*bu1*: number+="1"; break; case R.id.*bu2*: number+="2"; break; case R.id.*bu3*: number+="3"; break; case R.id.*bu4*: number+="4"; break; case R.id.*bu5*: number+="5"; break; case R.id.*bu6*: number+="6"; break; case R.id.*bu7*: number+="7"; break; case R.id.*bu8*: number+="8"; break; case R.id.*bu9*: number+="9"; break; case R.id.*budot*: number+="."; break; case R.id.*bubad*: number+="-"+number; break; } ed1.setText(number); } public void operatorEvent(View view){ isNewOp = true; oldNumber = ed1.getText().toString(); switch(view.getId()){ case R.id.*budiv*: op = "/"; break; case R.id.*bumul*: op = "\*"; break; case R.id.*buplus*: op = "+"; break; case R.id.*bumin*: op = "-"; break; } } public void equalEvent(View view){ String newNumber = ed1.getText().toString(); double result = 0.0; switch(op){ case "+": result = Double.*parseDouble*(oldNumber) + Double.*parseDouble*(newNumber); break; case "-": result = Double.*parseDouble*(oldNumber) - Double.*parseDouble*(newNumber); break; case "\*": result = Double.*parseDouble*(oldNumber) \* Double.*parseDouble*(newNumber); break; case "/": result = Double.*parseDouble*(oldNumber) / Double.*parseDouble*(newNumber); break; } ed1.setText(result+""); } public void acEvent(View view){ ed1.setText("0"); isNewOp = true; } public void percentageEvent(View view){ double no = Double.*parseDouble*(ed1.getText().toString())/100; ed1.setText(no+""); isNewOp = true; }}

**4.**

package com.example.myapplication;  
  
import androidx.annotation.Nullable;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
 Button register, delete, display, update;  
 EditText username, password;  
 TextView result;  
 private static final String *dbname* = "studentdb";  
 private static final String *tbname* = "student";  
 private static int *dbVersion* = 1;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 register = findViewById(R.id.*adduser*);  
 delete = findViewById(R.id.*delete*);  
 display = findViewById(R.id.*display*);  
 update = findViewById(R.id.*update*);  
 username = findViewById(R.id.*uname*);  
 password = findViewById(R.id.*upass*);  
 result = findViewById(R.id.*textView*);  
 register.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 DbHelper dbhel = new DbHelper(MainActivity.this, *dbname*, null, *dbVersion*);  
 long ans = dbhel.addUser(username.getText().toString(), password.getText().toString());  
 if (ans == -1) {  
 Toast.*makeText*(MainActivity.this, "Sorry, something went wrong!",  
 Toast.*LENGTH\_SHORT*).show();  
 } else {  
 Toast.*makeText*(MainActivity.this, "Inserted!", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 update.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 DbHelper dbhel = new DbHelper(MainActivity.this, *dbname*, null, *dbVersion*);  
 dbhel.update(username.getText().toString(), password.getText().toString());  
 }  
 });  
 display.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 DbHelper dbhel = new DbHelper(MainActivity.this, *dbname*, null, *dbVersion*);  
 String res = dbhel.display();  
 result.setText(res);  
 }  
 });  
 delete.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 DbHelper dbhel = new DbHelper(MainActivity.this, *dbname*, null, *dbVersion*);  
 dbhel.delete(username.getText().toString());  
 }  
 });  
 }  
}

DBHelper

package com.example.myapplication;  
  
import android.content.Context;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.database.sqlite.SQLiteOpenHelper;  
import android.content.ContentValues;  
  
import androidx.annotation.Nullable;  
public class DbHelper extends SQLiteOpenHelper {  
 private static final String *dbname* = "studentdb";  
 private static final String *tbname* = "student";  
 private static int *dbVersion* = 1;  
 DbHelper(@Nullable Context context, @Nullable String name, @Nullable  
 SQLiteDatabase.CursorFactory factory, int version) {  
 super(context, name, factory, version);  
 }  
  
 @Override  
 public void onCreate(SQLiteDatabase sqLiteDatabase) {  
 sqLiteDatabase.execSQL("Create table "+ *tbname*+" (uname VARCHAR(10),passw VARCHAR(10))"+ ";");  
 }  
 @Override  
 public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {  
 sqLiteDatabase.execSQL("DROP TABLE IF EXISTS "+*tbname*);  
 onCreate(sqLiteDatabase);  
 }  
 public long addUser(String usname,String pass)  
 {  
 SQLiteDatabase db= this.getWritableDatabase();  
 ContentValues cv= new ContentValues();  
 cv.put("uname",usname);  
 cv.put("passw",pass);  
 long result = db.insert(*tbname*,null,cv);  
 db.close();  
 return result;  
 }  
 public void update(String usname,String newpass){  
 SQLiteDatabase db= this.getWritableDatabase();  
 db.execSQL("UPDATE "+*tbname*+" SET passw='"+newpass+"'"+"WHERE uname ='"+usname+"'"+";");  
 db.close();  
 }  
 public void delete(String usname){  
 SQLiteDatabase db= this.getWritableDatabase();  
 db.execSQL("DELETE FROM "+*tbname*+" WHERE uname='"+usname+"';");  
 db.close();  
 }  
 public String display() {  
 SQLiteDatabase sqLiteDatabase = this.getReadableDatabase();  
 Cursor cursor = sqLiteDatabase.rawQuery("Select \* from " + *tbname*, null);  
 String finalres = "";  
 while (cursor.moveToNext()) {  
 finalres += cursor.getString(0) + " :" + cursor.getString(1)+"\n";  
 }  
 return finalres;  
 }  
}

5.

package com.example.prog3;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.media.MediaPlayer;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.MediaController;  
import android.widget.TextView;  
import android.widget.Toast;  
import android.widget.VideoView;  
  
public class MainActivity extends AppCompatActivity {  
 MediaPlayer mediaPlayer,mediaPlayerNew;  
 int stopped =0;  
 int forwarder =5000;  
 int reminder =5000;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
// setContentView(R.layout.activity\_main);  
// mediaPlayer = MediaPlayer.create(this,R.raw.second);  
// mediaPlayerNew = mediaPlayer;  
// TextView songtitle = findViewById(R.id.songname);  
// songtitle.setText("first");  
 setContentView(R.layout.*activity\_main*);  
 VideoView videoView = findViewById(R.id.*videoView*);  
 videoView.setVideoPath("android.resource://"+getPackageName()+"/"+R.raw.*coffin*);  
 MediaController mediaController = new MediaController(this);  
 mediaController.setAnchorView(videoView);  
 videoView.setMediaController(mediaController);  
  
 Button play=findViewById(R.id.*play*);  
 play.setOnClickListener(new View.OnClickListener(){  
  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(getApplicationContext(), "Playing song", Toast.*LENGTH\_LONG*).show();  
 mediaPlayer.start();  
 }  
 });  
  
 Button pause = findViewById(R.id.*pause*);  
 pause.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v){  
 Toast.*makeText*(getApplicationContext(), "Pausing Song", Toast.*LENGTH\_LONG*).show();  
 mediaPlayer.pause();  
 }  
 });  
  
 Button forward = findViewById(R.id.*fwd*);  
 forward.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v){  
 int currents = mediaPlayer.getCurrentPosition();  
 if((currents+ forwarder)<=(stopped = mediaPlayer.getDuration())){  
 mediaPlayer.seekTo(currents+ forwarder);  
 }  
 Toast.*makeText*(getApplicationContext(), "Playing Song", Toast.*LENGTH\_LONG*).show();  
 mediaPlayer.start();  
 }  
 });  
 Button revind = findViewById(R.id.*rwd*);  
 revind.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v){  
 int currents = mediaPlayer.getCurrentPosition();  
 if((currents- reminder)<=(stopped = mediaPlayer.getDuration()))  
 {  
 mediaPlayer.seekTo(currents - reminder);  
 }  
 Toast.*makeText*(getApplicationContext(), "Playing Song", Toast.*LENGTH\_LONG*).show();  
 mediaPlayer.start();  
 }  
 });  
  
 Button restart = findViewById(R.id.*rst*);  
 restart.setOnClickListener(new View.OnClickListener(){  
 @Override  
 public void onClick(View v){  
 Toast.*makeText*(getApplicationContext(), "Restarting Song", Toast.*LENGTH\_LONG*).show();  
 mediaPlayer.seekTo(0);  
 mediaPlayer.start();  
 }  
 });  
  
  
 }  
}