**SQLite数据库代码：**

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| public class MainActivity extends AppCompatActivity {  private EditText mEt\_account,mEt\_password;  private Button mBtn\_save;  private MyHelper myHelper;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  mEt\_account=findViewById(R.id.et\_account);  mEt\_password=findViewById(R.id.et\_password);  mBtn\_save=findViewById(R.id.btn\_save);  myHelper = new MyHelper(getApplicationContext());  mBtn\_save.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String account;  String password;  SQLiteDatabase db;  account = mEt\_account.getText().toString();  password = mEt\_password.getText().toString();  db = myHelper.getWritableDatabase();  if(TextUtils.isEmpty(account)){  Toast.makeText(MainActivity.this,"请输入账号：",Toast.LENGTH\_LONG).show();  return;  }  if(TextUtils.isEmpty(password)){  Toast.makeText(MainActivity.this,"请输入密码：",Toast.LENGTH\_LONG).show();  return;  }  db.execSQL("insert into AccountPassword(account,password) values(?,?)", new Object[]{account, password});  db.close();  Toast.makeText(MainActivity.this, "账号已添加", Toast.LENGTH\_SHORT).show();  }  });  }  }  /\*\*  \* 通过SQLiteOpenHelper的子类MyHelper创建数据库  \*/  class MyHelper extends SQLiteOpenHelper{  //数据库名：UserInfo.db  public MyHelper(Context context) {  super(context, "UserInfo.db",null,1);  }  //数据库第一次被创建时调用此方法  @Override  public void onCreate(SQLiteDatabase db) {  //初始化数据库的表结构，执行一条建表的SQL语句  db.execSQL("create table AccountPassword(account varchar(20) primary key, password varchar(20))");  }  @Override  public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {  }  } |

**SharedPreference代码：**

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| public class MainActivity extends AppCompatActivity {  private EditText etNumber;  private EditText etPassword;  private Button btnLogin;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  etNumber=findViewById(R.id.et\_number);  etPassword=findViewById(R.id.et\_password);  btnLogin=findViewById(R.id.btn\_login);  Map<String,String> userInfo= SPSaveQQ.getUserInfo(this);  etNumber.setText(userInfo.get("number"));  etPassword.setText(userInfo.get("password"));  btnLogin.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  //当用户点击的时候，获取用户输入的账号和密码  String number=etNumber.getText().toString();  String password=etPassword.getText().toString();  //检查账号和密码是否正确 卫操作:遇到非法的操作，直接return  if(TextUtils.isEmpty(number)){  Toast.makeText(MainActivity.this,"请输入QQ账号",Toast.LENGTH\_LONG).show();  return;  }  if(TextUtils.isEmpty(password)){  Toast.makeText(MainActivity.this,"请输入QQ密码",Toast.LENGTH\_LONG).show();  return;  }  //正常的业务代码  Toast.makeText(MainActivity.this,"登陆成功",Toast.LENGTH\_LONG).show();  boolean isSaveSuccess= SPSaveQQ.saveUserInfo(MainActivity.this,number,password);  if(isSaveSuccess){  Toast.makeText(MainActivity.this,"保存成功",Toast.LENGTH\_LONG).show();  }else{  Toast.makeText(MainActivity.this,"保存失败",Toast.LENGTH\_LONG).show();  }  }  });  }  }  package com.example.saveqq;  import android.content.Context;  import android.content.SharedPreferences;  import java.util.HashMap;  import java.util.Map;  /\*\*  \* 把账号密码保存到data.txt文件中  \*/  public class SPSaveQQ {  /\*\*  \* 保存用户信息  \* @param context 安卓的上下文环境  \* @param number 账号  \* @param password 密码  \* @return true：保存成功 false：保存失败  \*/  public static boolean saveUserInfo(Context context, String number, String password){  SharedPreferences sharedPreferences=context.getSharedPreferences("data",Context.MODE\_PRIVATE);  SharedPreferences.Editor editor=sharedPreferences.edit();  editor.putString("number",number);  editor.putString("password",password);  editor.commit();  return true;  }  /\*\*  \* 从data.txt中获取信息  \* @param context  \* @return  \*/  public static Map<String,String> getUserInfo(Context context) {  SharedPreferences sharedPreferences=context.getSharedPreferences("data",Context.MODE\_PRIVATE);  String number=sharedPreferences.getString("number",null);  String password=sharedPreferences.getString("password",null);  Map<String,String> map=new HashMap<>();  map.put("number",number);  map.put("password",password);  return map;  }  }  package com.example.saveqq;  import android.content.Context;  import java.io.FileInputStream;  import java.io.FileNotFoundException;  import java.io.FileOutputStream;  import java.io.IOException;  import java.util.HashMap;  import java.util.Map;  /\*\*  \* 把账号密码保存到data.txt文件中  \*/  public class FileSaveQQ {  /\*\*  \* 保存用户信息  \* @param context 安卓的上下文环境  \* @param number 账号  \* @param password 密码  \* @return true：保存成功 false：保存失败  \*/  public static boolean saveUserInfo(Context context, String number, String password){  FileOutputStream fileOutputStream=null;  try {  fileOutputStream =context.openFileOutput("data.txt",Context.MODE\_PRIVATE);  fileOutputStream.write((number+":"+password).getBytes());  } catch (FileNotFoundException e) {  e.printStackTrace();  return false;  } catch (IOException e) {  e.printStackTrace();  return false;  }finally {  try {  fileOutputStream.close();  } catch (IOException e) {  e.printStackTrace();  }  }  return true;  }  /\*\*  \* 从data.txt中获取信息  \* @param context  \* @return  \*/  public static Map<String,String> getUserInfo(Context context){  FileInputStream fileInputStream=null;  try {  fileInputStream=context.openFileInput("data.txt");  byte[] buffer=new byte[fileInputStream.available()];  fileInputStream.read(buffer);  String content=new String(buffer);  String[] array=content.split(":");  HashMap<String,String> map=new HashMap<>();  map.put("number",array[0]);  map.put("password",array[1]);  return map;  } catch (FileNotFoundException e) {  e.printStackTrace();  } catch (IOException e) {  e.printStackTrace();  } finally {  try {  fileInputStream.close();  } catch (IOException e) {  e.printStackTrace();  }  }  return null;  }  } |

**简易计算器代码：**

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| package com.example.simplecalculator;  import androidx.appcompat.app.AppCompatActivity;  import android.annotation.SuppressLint;  import android.os.Bundle;  import android.view.View;  import android.widget.Button;  import android.widget.EditText;  import android.widget.TextView;  public class MainActivity extends AppCompatActivity{  private EditText mEt\_num1;  private EditText mEt\_num2;  private EditText mEt\_result;  private Button mBtn\_add;  private Button mBtn\_jian;  private Button mBtn\_cheng;  private Button mBtn\_chu;  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  mEt\_num1=findViewById(R.id.et\_num1);  mEt\_num2=findViewById(R.id.et\_num2);  mEt\_result=findViewById(R.id.et\_result);  mBtn\_add=findViewById(R.id.btn\_add);  mBtn\_jian=findViewById(R.id.btn\_jian);  mBtn\_cheng=findViewById(R.id.btn\_cheng);  mBtn\_chu=findViewById(R.id.btn\_chu);  mBtn\_add.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String num1=mEt\_num1.getText().toString();  String num2=mEt\_num2.getText().toString();  double iNum1=Double.parseDouble(num1);  double iNum2=Double.parseDouble(num2);  double dresult=iNum1+iNum2;  mEt\_result.setText(dresult+"");  }  });  mBtn\_jian.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String num1=mEt\_num1.getText().toString();  String num2=mEt\_num2.getText().toString();  double iNum1=Double.parseDouble(num1);  double iNum2=Double.parseDouble(num2);  double dresult=iNum1-iNum2;  mEt\_result.setText(dresult+"");  }  });  mBtn\_cheng.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String num1=mEt\_num1.getText().toString();  String num2=mEt\_num2.getText().toString();  double iNum1=Double.parseDouble(num1);  double iNum2=Double.parseDouble(num2);  double dresult=iNum1\*iNum2;  mEt\_result.setText(dresult+"");  }  });  mBtn\_chu.setOnClickListener(new View.OnClickListener() {  @Override  public void onClick(View v) {  String num1=mEt\_num1.getText().toString();  String num2=mEt\_num2.getText().toString();  double iNum1=Double.parseDouble(num1);  double iNum2=Double.parseDouble(num2);  double dresult=iNum1/iNum2;  mEt\_result.setText(dresult+"");  }  });  }    } |

**倒计时代码：**

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| public class MainActivity extends AppCompatActivity {  private static final int MSG\_UPDATE = 001;  private TextView mTvNum;  //主线程创建消息处理器  private Handler mHandler=new Handler(){  @Override  public void handleMessage(Message msg){  switch (msg.what){  case MSG\_UPDATE:  int i=msg.arg1;  //更新控件的内容  mTvNum.setText(i+"");  break;  }  }  };  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  mTvNum=findViewById(R.id.tv\_num);  //模拟下载线程，这是一个耗时的线程,所以要启动一个线程  new Thread(new Runnable() {  @Override  public void run() {  for(int i=10;i>=0;i--){  //在非UI线程中，更新了UI线程中的控件  //mTvNum.setText(i+"");  //Only the original thread that created a view hierarchy can touch its views.  Message message=new Message();  // 这是标识是哪一个message  message.what=MSG\_UPDATE;  // 传递数据  message.arg1 = i;  // 通过Handler发送，在UI线程里面更新控件  mHandler.sendMessage(message);  try {  Thread.sleep(1000);  } catch (InterruptedException e) {  e.printStackTrace();  }  }  }  }).start();  }  } |