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| **QUESTION** | **How can you implement a SQLite database in an Android application using Android Studio** |
| **Activity\_xml** | <?xml version="1.0" encoding="utf-8"?>  <RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  xmlns:app="http://schemas.android.com/apk/res-auto"  xmlns:tools="http://schemas.android.com/tools"  android:id="@+id/main"  android:layout\_width="match\_parent"  android:layout\_height="match\_parent"  tools:context=".MainActivity">  <TextView  android:id="@+id/textView"  android:layout\_width="416dp"  android:layout\_height="79dp"  android:background="#673AB7"  android:text="ZAINAB SAYED SYCS 5058 "  android:textColor="@color/white"  android:textSize="34sp"  app:layout\_constraintEnd\_toEndOf="parent"  app:layout\_constraintStart\_toStartOf="parent"  app:layout\_constraintTop\_toTopOf="parent" />  </RelativeLayout> |
| **Mainactivivty** | package com.example.myapplication;  import android.database.sqlite.SQLiteDatabase;  import android.os.Bundle;  import android.widget.TextView;  import android.widget.Toast;  import androidx.activity.EdgeToEdge;  import androidx.appcompat.app.AppCompatActivity;  import androidx.core.graphics.Insets;  import androidx.core.view.ViewCompat;  import androidx.core.view.WindowInsetsCompat;  public class MainActivity extends AppCompatActivity {  @Override  protected void onCreate(Bundle savedInstanceState) {  super.onCreate(savedInstanceState);  setContentView(R.layout.activity\_main);  try {  mydb1 mydb1 = new mydb1(this);  SQLiteDatabase db = mydb1.getWritableDatabase();  Toast.makeText(this, "Database created !!!", Toast.LENGTH\_SHORT).show();  }  catch (Exception ex){  Toast.makeText(this, "Error :" + ex.getMessage(), Toast.LENGTH\_SHORT).show();  }  }  } |
| **mydb1** | package com.example.myapplication;  import android.content.Context;  import android.database.sqlite.SQLiteDatabase;  import android.database.sqlite.SQLiteOpenHelper;  import androidx.annotation.Nullable;  public class mydb1 extends SQLiteOpenHelper  {  public static String database\_name = "mydb";  public static int database\_version =1;  public mydb1(@Nullable Context context) {  super(context,database\_name,null,database\_version);  }  @Override  public void onCreate(SQLiteDatabase sqLiteDatabase) {  }  @Override  public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {  }  } |
| **OUTPUT** |  |