**Main activity**

package com.example.data;

import androidx.appcompat.app.AppCompatActivity;

import android.content.ContentValues;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.media.session.PlaybackState;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText t1,t2,t3;

DbHelper helper= new DbHelper(this);//Create object for Db helper

SQLiteDatabase db;//data base object

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

db=helper.getReadableDatabase();

db=helper.getWritableDatabase();

t3=findViewById(R.id.*stid*);

t1=findViewById(R.id.*name*);

t2=findViewById(R.id.*address*);

}

public void stdInsert(View view) {

int rid= Integer.*parseInt*(t3.getText().toString());

String name =t1.getText().toString();

String add =t2.getText().toString();

ContentValues data=new ContentValues();

data.put("rollno",rid);

data.put("name",name);

data.put("address",add);

db.insert("tbl\_sdetails",null,data);

Toast.*makeText*(this,"Inserted",Toast.*LENGTH\_LONG*).show();

}

public void stdRead(View view) {

StringBuffer buffer=new StringBuffer();

Cursor c =db.rawQuery("select \* from tbl\_sdetails ",null);

while(c.moveToNext()){

buffer.append("Student Id :"+c.getString(0)+"\t");

buffer.append("Student name :"+c.getString(1)+"\t");

buffer.append("Student Address:"+c.getString(2)+"\t");

}

Toast.*makeText*(this, buffer.toString(), Toast.*LENGTH\_LONG*).show();

}

public void stdUpdate(View view) {

int rid= Integer.*parseInt*(t3.getText().toString());

String name =t1.getText().toString();

String add =t2.getText().toString();

ContentValues data=new ContentValues();

data.put("rollno",rid);

data.put("name",name);

data.put("address",add);

db.update("tbl\_sdetails",data,"rollno="+rid,null);

Toast.*makeText*(this,"Upadated",Toast.*LENGTH\_LONG*).show();

}

public void stdDelete(View view) {

int rid= Integer.*parseInt*(t3.getText().toString());

ContentValues data=new ContentValues();

data.put("rollno",rid);

db.delete("tbl\_sdetails","rollno="+rid,null);

Toast.*makeText*(this,"dleted",Toast.*LENGTH\_LONG*).show();

}

}

**DB HELPER.JAVA**

package com.example.data;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import androidx.annotation.Nullable;

public class DbHelper extends SQLiteOpenHelper {

public DbHelper(@Nullable Context context) {

super(context, "student.db", null, 1);

}

@Override

public void onCreate(SQLiteDatabase sqLiteDatabase) {

sqLiteDatabase.execSQL("create table tbl\_sdetails(rollno int ,name varchar(10),address varchar(50))");

}

@Override

public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {

}

}

**xml**

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

<androidx.constraintlayout.widget.ConstraintLayout 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:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<EditText

android:id="@+id/stid"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="64dp"

android:ems="10"

android:inputType="textPersonName"

android:text="RollNo"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.502"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" />

<EditText

android:id="@+id/name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="40dp"

android:ems="10"

android:inputType="textPersonName"

android:text="Name"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.497"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/stid" />

<EditText

android:id="@+id/address"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="40dp"

android:ems="10"

android:inputType="textPersonName"

android:text="Address"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.502"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/name" />

<Button

android:id="@+id/up"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="88dp"

android:text="Update"

android:onClick="stdUpdate"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.166"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/address" />

<Button

android:id="@+id/del"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="88dp"

android:text="Delete"

android:onClick="stdDelete"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.605"

app:layout\_constraintStart\_toEndOf="@+id/up"

app:layout\_constraintTop\_toBottomOf="@+id/address" />

<Button

android:id="@+id/read"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="56dp"

android:layout\_marginTop="100dp"

android:text="Read"

android:onClick="stdRead"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/up" />

<Button

android:id="@+id/edit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="100dp"

android:text="Insert"

android:onClick="stdInsert"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.601"

app:layout\_constraintStart\_toEndOf="@+id/read"

app:layout\_constraintTop\_toBottomOf="@+id/del" />

</androidx.constraintlayout.widget.ConstraintLayout>