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ROLL NO: 20211CSE0208

SECTION:5CSE-4

SET B

1.NPTEL Portal App:

NPTEL portal needs an app for students' performance evaluation, student should enter their details in the Main Activity to do Registration, The Student's: ID No, Name, CGPA, university name, and NPTEL certificate received course name, Store all the details in the database.

- [A] Display all details of the students list
- [B] Display the count for a particular course

1.mainActivity.xml:

```
<?xml version="1.0" encoding="utf-8"?>
   <TextView
       android:ems="10"
       android:inputType="text"
   <EditText
```

```
<EditText
<EditText
    android:ems="10"
    android:inputType="text"
<Button
```

```
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.71" />

<Button
    android:id="@+id/button5"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Count"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintHorticontal_bias="0.455"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.856" />

<EditText
    android:id="@+id/editTextText5"
    android:layout_width="wrap_content"
    android:ems="10"
    android:hint="enter_marks"
    android:inputType="text"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintBottom_toBottomOf="parent"
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    app:layout_constraintBottom_toBotomOf="parent"
    app:layout_constraintBotomof="parent"
    app:layout_constraintBotomof="par
```

2. Main Activity. java:

```
package com.example.sqlite;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.database.Cursor;
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 ed1,ed2,ed3,ed4,ed5;
   Button bt1,bt4,bt5;
   SqLite_helper myDb; //reference
        @SuppressLint("MissingInflatedId")
        @Override
        protected void onCreate(Bundle savedInstanceState) {
            super.onCreate(savedInstanceState);
            setContentView(R.layout.activity_main);
            myDb=new SqLite_helper(this);//creation of obj of java cls -
>constructor invokes,db created automatically
            ed1=findViewById(R.id.editTextText2);
            ed2=findViewById(R.id.editTextText3);
```

```
ed5.getText().toString(),
Toast.LENGTH SHORT).show();
        bt4.setOnClickListener(new View.OnClickListener() {
                if (res.getCount() == 0) {
                    buffer.append("Id :"+res.getString(0)+"\n");
                    buffer.append("Name :"+res.getString(1)+"\n");
                    buffer.append("cgpa :"+res.getString(2)+"\n");
        bt5.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
                Cursor r=myDb.countData();
    private void showMessage(String title, String Message) {
        AlertDialog.Builder builder=new AlertDialog.Builder(this);
```

```
}
}
```

3.sqliteHelper.java:

```
import android.database.sqlite.SQLiteOpenHelper;
public class SqLite helper extends SQLiteOpenHelper {
   public SqLite helper(@Nullable Context context) {
   public void onCreate(SQLiteDatabase sqLiteDatabase) {
       sqLiteDatabase.execSQL("create table "+TABLE NAME+" (ID INTEGER
   public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {
       sqLiteDatabase.execSQL("DROP TABLE IF EXISTS "+TABLE NAME);
       onCreate(sqLiteDatabase);
       SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
       long result=sqLiteDatabase.insert(TABLE NAME, null, contentValues);
```

4.output:







SET A

2.Admission App:

Presidency University's sports division needs an app for checking students' eligibility for admission to a sports club, students should enter their details Student: ID No, Name, branch, game name, gold or silver medals clicking on the submit button all the details should be stored in the database.

- [A] Display all details of the Students admitted to the club
- [B] Display total No. Of the Students who had more than two gold medals

1.mainActiviy.xml:

```
<?xml version="1.0" encoding="utf-8"?>
   <TextView
   <EditText
       android:ems="10"
       android:inputType="text"
   <EditText
       android:ems="10"
       app:layout constraintTop toTopOf="parent"
```

```
app:layout_constraintBottom_toBottomOf="parent
<EditText
    app:layout constraintEnd toEndOf="parent"
    app:layout constraintTop toTopOf="parent"
<EditText
```

```
android:ems="10"
android:hint="enter branch"
android:inputType="text"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.497"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.368" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

2.mainActivity.java:

```
EditText ed1,ed2,ed3,ed4,ed5;
Button bt1,bt4,bt5;
        ed4=findViewById(R.id.ed4);
        ed5=findViewById(R.id.ed5);
            boolean isInserted= myDb.insertData(ed1.getText().toString(),
```

```
if (res.getCount()==0) {
                  \label{lem:buffer_append} \verb|buffer_append| ("GoldMedal :"+res.getString(4)+"\n");
private void showMessage(String title, String Message){
    AlertDialog.Builder builder=new AlertDialog.Builder(this);
    builder.setTitle(title);
    builder.setMessage(Message);
```

3.SQliteHelper.java:

```
package com.example.sqlite;
import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
import androidx.annotation.Nullable;

public class SqLite_helper extends SQLiteOpenHelper {
    //click on bulb implement->2methods->ok
```

```
sqLiteDatabase.execSQL("create table "+TABLE NAME+" (ID INT PRIMARY
public void onUpgrade(SQLiteDatabase sqLiteDatabase, int i, int i1) {
    SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
public Cursor displayData() {
    SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
    Cursor res=sqLiteDatabase.rawQuery("Select * from
    SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
    Cursor r=sqLiteDatabase.rawQuery("Select * from "+TABLE NAME+"
```

```
return r;
}
```

4.output:







