

QUE. Write a program to insert data in SQLite database using AsyncTask

Activity_Main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
android:layout_height="match_parent" android:orientation="vertical"
android:layout_gravity="center" tools:context=".MainActivity">
<TextView android:id="@+id/tv1"
android:layout_marginTop="30dp"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Name of Student"
android:textSize="30sp"
android:textStyle="bold"/>
<EditText android:id="@+id/et1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:textSize="30sp"
android:textStyle="bold"
android:hint="Enter name"/>
<TextView android:id="@+id/tv2"
android:layout_marginTop="30dp"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:text="Mobile Number"
android:textSize="30sp"
android:textStyle="bold"/>
<EditText android:id="@+id/et2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:textSize="30sp"
android:textStyle="bold"
android:hint="Enter number" />
<Button android:id="@+id/btn1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_marginTop="30dp"
android:text="SAVE"
android:textSize="30sp"
android:textStyle="bold"/>
</LinearLayout>
```

MainActivity.java

```
package com.example.database_async;
import androidx.appcompat.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
    private static final String TAG = "MainActivity";
    Button btn1; TextView tv1,tv2;
    EditText et1,et2;
    DatabaseHandler dbh; async asy;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        tv1=(TextView) findViewById(R.id.tv1);
        tv2=(TextView) findViewById(R.id.tv2);
        et1=(EditText) findViewById(R.id.et1);
        et2=(EditText) findViewById(R.id.et2);
        btn1=(Button)findViewById(R.id.btn1);
        dbh=new DatabaseHandler(this);
        asy=new async(this);
        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {save_data();
            }});
        public void save_data(){
            res=dbh.onInsert(et1.getText().toString(),et2.getText().toString());
            asy.execute(et1.getText().toString(),et2.getText().toString());
            finish();
        }
    }
}
```

DatabaseHandler.java

```
package com.example.database_async;
public class DatabaseHandler extends SQLiteOpenHelper {public DatabaseHandler
(@Nullable Context c) {
    super(c, "stud_database", null, 1);}
    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create table st_db(name text,mobile_number text)"); }
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) { }
```

```

public long onInsert(String s_name,String
s_number) {
    SQLiteDatabase sd=this.getWritableDatabase();
    ContentValues val=new ContentValues();
    val.put("name",s_name);
    val.put("mobile_number",s_number);
    long result=sd.insert("st_db",null,val);
    return result;}
}

```

Async.java

```

package com.example.database_async;
public class async extends
AsyncTask<String,Void,Long> {
    DatabaseHandler db;
    Context context;long result;
    async(Context ct){
        context=ct;

```

```

        db=new DatabaseHandler(ct);}
        @Override
        protected Long doInBackground(String...
param) {
            String name=param[0];
            String number=param[1];
            result=db.onInsert(name, number);
            return result;}
        @Override
        protected void onPreExecute() {
            super.onPreExecute();
        }
        @Override
        protected void onPostExecute(Long l) {
            Toast.makeText(context,"data
inserted"+l,Toast.LENGTH_LONG).show();
        }
    }
}

```

OUTPUT :

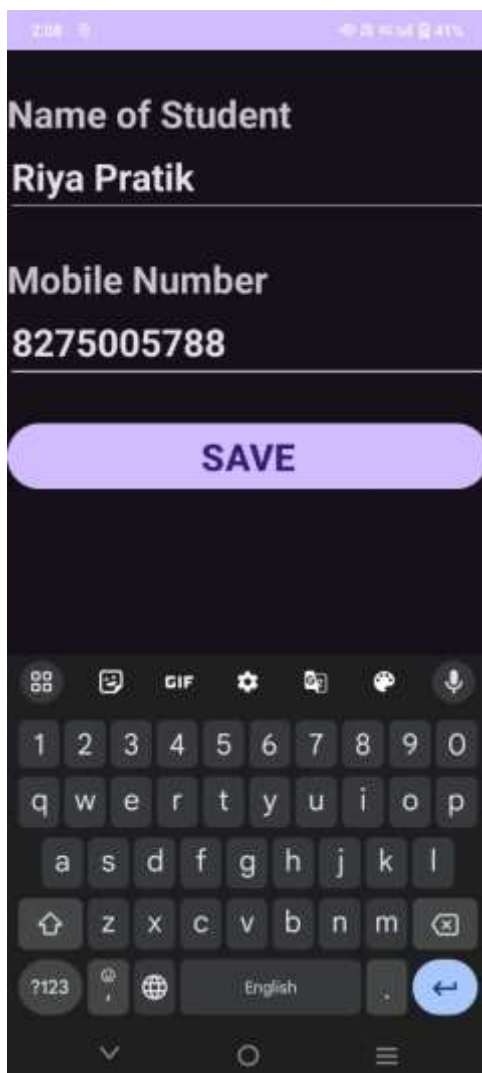


Table: st_db	
name ▼	mobile_number
Filter	Filter
1	riya... 8275005788