

Practical 26

MainActivity.java

```
package com.example.practical26;
import androidx.appcompat.app.AppCompatActivity;
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 sname,sroll;
    Button b;
    DBHandler dbh;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        sname=findViewById(R.id.sname);
        sroll=findViewById(R.id.rollno);
        b=findViewById(R.id.button);
        dbh=new DBHandler(MainActivity.this);

        b.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String studname=sname.getText().toString();
                String studroll=sroll.getText().toString();
                if(studname.isEmpty() || studroll.isEmpty())
                    Toast.makeText(getApplicationContext(),"Enter data first",Toast.LENGTH_LONG).show();
                else
                {
                    dbh.addStudent(studname,studroll);
                    Toast.makeText(getApplicationContext(),"Student Added",Toast.LENGTH_LONG).show();
                    sname.setText("");
                    sroll.setText("");
                }
            }
        });
    }
}
```

DBHandler.java

```
package com.example.practical26;
import android.content.ContentValues;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
```

```

public class DBHandler extends SQLiteOpenHelper {
    static final String dbname="studentdb";
    static final String tablename="student";
    static final String col_roll="roll";
    static final String col_name="name";
    static int dbversion=1;

    public DBHandler(Context c)
    {
        super(c,dbname,null,dbversion);
    }
    @Override
    public void onCreate(SQLiteDatabase db) {
        String query="CREATE TABLE "+tablename+" (" +col_name+" TEXT,"+col_roll+" INTEGER)";
        db.execSQL(query);
    }

    @Override
    public void onUpgrade(SQLiteDatabase db, int i, int i1) {
        db.execSQL("DROP TABLE IF EXISTS " + tablename);
        onCreate(db);
    }

    public void addStudent(String sname,String sroll){
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues values = new ContentValues();
        values.put(col_name,sname);
        values.put(col_roll,sroll);
        db.insert(tablename,null,values);
        db.close();
    }
}

```

activity_main.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:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView3"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:textSize="25dp"
        android:textStyle="bold"

```

```
android:text="Student Form" />
```

```
<TextView  
    android:id="@+id/textView4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Enter Name"  
    android:layout_marginTop="70dp"  
    android:layout_marginLeft="70dp"  
    android:layout_below="@id/textView3"/>
```

```
<EditText  
    android:id="@+id/sname"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="10dp"  
    android:ems="10"  
    android:layout_toRightOf="@id/textView4"  
    android:layout_alignBaseline="@id/textView4"  
    android:hint="Enter student name" />
```

```
<TextView  
    android:id="@+id/textView5"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Enter Roll Number"  
    android:layout_marginTop="20dp"  
    android:layout_alignRight="@id/textView4"  
    android:layout_below="@id/textView4"/>
```

```
<EditText  
    android:id="@+id/rollno"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_marginLeft="10dp"  
    android:ems="10"  
    android:layout_toRightOf="@id/textView5"  
    android:layout_alignBaseline="@id/textView5"  
    android:hint="Enter student roll number" />
```

```
<Button  
    android:id="@+id/button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_alignStart="@id/rollno"  
    android:layout_below="@id/rollno"  
    android:layout_marginTop="20dp"  
    android:text="Add Student" />
```

```
</RelativeLayout>
```

OUTPUT



Student Form

Enter Name Mahesh M
Enter Roll Number 4545

ADD STUDENT



Student Form

Enter Name Enter student name
Enter Roll Number Enter student roll number

ADD STUDENT

Student Added

