# Store Student Details in SQLite Database

(Java) MainActivity.java:  
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package com.example.studentdatabase;  
  
import android.content.ContentValues;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
 EditText etName, etAge, etDept;  
 Button btnSave;  
 DatabaseHelper dbHelper;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 etName = findViewById(R.id.et\_name);  
 etAge = findViewById(R.id.et\_age);  
 etDept = findViewById(R.id.et\_dept);  
 btnSave = findViewById(R.id.btn\_save);  
 dbHelper = new DatabaseHelper(this);  
  
 btnSave.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 String name = etName.getText().toString();  
 int age = Integer.parseInt(etAge.getText().toString());  
 String dept = etDept.getText().toString();  
  
 SQLiteDatabase db = dbHelper.getWritableDatabase();  
 ContentValues values = new ContentValues();  
 values.put("name", name);  
 values.put("age", age);  
 values.put("department", dept);  
  
 long result = db.insert("students", null, values);  
 if (result != -1) {  
 Toast.makeText(MainActivity.this, "Student Added", Toast.LENGTH\_SHORT).show();  
 } else {  
 Toast.makeText(MainActivity.this, "Insertion Failed", Toast.LENGTH\_SHORT).show();  
 }  
 }  
 });  
 }  
}  
  
(XML) activity\_main.xml:  
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<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="20dp">  
  
 <EditText  
 android:id="@+id/et\_name"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Name"/>  
  
 <EditText  
 android:id="@+id/et\_age"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Age"  
 android:inputType="number"/>  
  
 <EditText  
 android:id="@+id/et\_dept"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter Department"/>  
  
 <Button  
 android:id="@+id/btn\_save"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Save Student Data"/>  
</LinearLayout>