JAVA Code:

```java
package com.example.database;

import android.database.Cursor;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {
    EditText id,fName,lName,marks;
    Button bAdd,bView,bUpdate,bDelete;
    Databasehelper myDB;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        myDB = new Databasehelper(this);
        bAdd = findViewById(R.id.button);
        bView = findViewById(R.id.button2);
        bUpdate = findViewById(R.id.button3);
        bDelete = findViewById(R.id.button4);
        id = findViewById(R.id.editTextTextPersonName);
        fName = findViewById(R.id.editTextTextPersonName2);
        lName = findViewById(R.id.editTextTextPersonName3);
        marks = findViewById(R.id.editTextNumberDecimal);

        AddData();
        ViewAll();
        updateData();
        deleteData();
    }

    private void updateData() {

        bUpdate.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                boolean isUpdate =
myDB.updateData(id.getText().toString(),fName.getText().toString(),
lName.getText().toString(),marks.getText().toString());
                if(isUpdate){
                    Toast.makeText(MainActivity.this, "Data updated",
Toast.LENGTH_SHORT).show();
                }
                else {
                    Toast.makeText(MainActivity.this, "Data not updated",
Toast.LENGTH_SHORT).show();
                }

            }
        });
```

```java
    }

    private void ViewAll() {
        bView.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Cursor res = myDB.getAllData();
                if(res.getCount() == 0 ){
                    showMessage("Error","No data found .....");
                    return;
                }
                StringBuffer buffer = new StringBuffer();
                while(res.moveToNext()){
                    buffer.append("ID : " +res.getString(0) +"\n");
                    buffer.append("First Name : " +res.getString(1) +"\n");
                    buffer.append("Last Name : " +res.getString(2) +"\n");
                    buffer.append("Marks : " +res.getString(3) +"\n\n");
                }
                showMessage("Data ",buffer.toString());
            }

        });
    }
    private void showMessage(String title, String s) {
        AlertDialog.Builder builder = new AlertDialog.Builder(this);
        builder.setCancelable(true);
        builder.setTitle(title);
        builder.setMessage(s);
        builder.show();
    }


    private void AddData() {

        bAdd.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                boolean isInserted =
myDB.inserData(fName.getText().toString(),lName.getText().toString(),marks.getText
().toString());
                if(isInserted){
                    Toast.makeText(MainActivity.this, "Data inserted",
Toast.LENGTH_SHORT).show();
                }
                else
                    {
                        Toast.makeText(MainActivity.this, "Data not inserted",
Toast.LENGTH_SHORT).show();
                    }
            }
        });
    }

    private void deleteData() {
        bDelete.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Integer deleteRows = myDB.deleteData(id.getText().toString());
                if(deleteRows > 0){
```

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                    Toast.makeText(MainActivity.this, "Data deleted",
Toast.LENGTH_SHORT).show();
                }
                else
                    {
                        Toast.makeText(MainActivity.this, "Data not deleted",
Toast.LENGTH_SHORT).show();
                    }

            }
        });
    }
}
```

```java
package com.example.database;

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 Databasehelper extends SQLiteOpenHelper {
    public static final String DATABASE_NAME = "student.db";
    public static final String TABLE_NAME = "Student_Table";
    public static final String col_1 = "ID";
    public static final String col_2 = "First_Name";
    public static final String col_3 = "Last_Name";
    public static final String col_4 = "Marks";
    public Databasehelper(@Nullable Context context) {
        super(context, DATABASE_NAME, null, 1);


    }

    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create table " + TABLE_NAME + "(ID INTEGER PRIMARY KEY
AUTOINCREMENT,First_Name STRING," + "Last_Name STRING,Marks INTEGER)");
    }
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {

    }

    public boolean inserData(String first_name,String last_name,String marks) {
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(col_2,first_name);
        contentValues.put(col_3,last_name);
        contentValues.put(col_4,marks);
        long result = db.insert(TABLE_NAME,null,contentValues);
        if(result == -1){
            return false;
        }
        else
            {
```

```java
                return true;
            }
    }

    public Integer deleteData(String id) {
        SQLiteDatabase db = this.getWritableDatabase();
        return db.delete(TABLE_NAME, "ID = ?",new String[] {id});

    }

    public Cursor getAllData() {
        SQLiteDatabase db = this.getWritableDatabase();
        Cursor result = db.rawQuery("select * from " +TABLE_NAME,null);
        return result;
    }

    public boolean updateData(String id, String first_name, String
last_name,String marks) {
        SQLiteDatabase db = this.getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put(col_1,id);
        contentValues.put(col_2,first_name);
        contentValues.put(col_3,last_name);
        contentValues.put(col_4,marks);
        db.update(TABLE_NAME,contentValues,"ID = ?",new String[] {id});
        return true;
    }
}
```
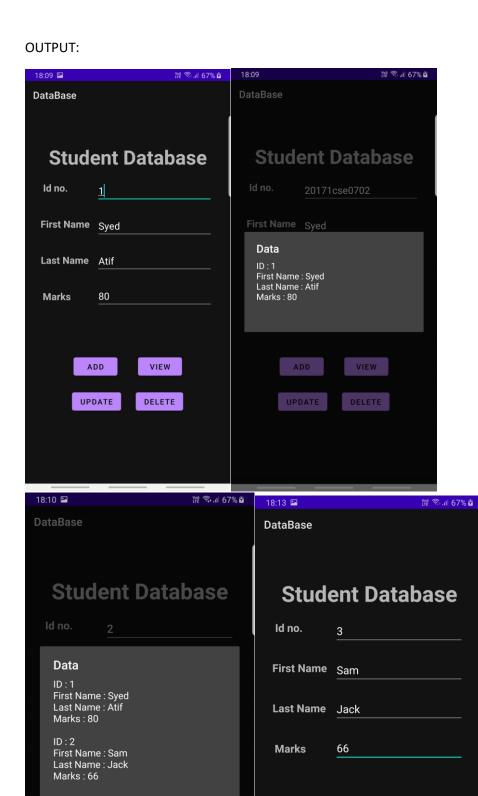
XML Code:

```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">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
         android:text="@string/student_database"
        android:textSize="36sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.5"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.1" />

    <TextView
        android:id="@+id/textView"
```

```xml
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/id_no"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.2" />

    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/first_name"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.3" />

    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/last_name"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.4" />

    <TextView
        android:id="@+id/textView4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/marks"
        android:textSize="18sp"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.1"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.5" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/add"
```

```xml
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.3"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.7" />

    <Button
        android:id="@+id/button2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/view"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.7"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.7" />

    <Button
        android:id="@+id/button3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/update"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.3"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.8" />

    <Button
        android:id="@+id/button4"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/delete"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.7"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.8" />

    <EditText
        android:id="@+id/editTextTextPersonName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.8"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.2"
        android:importantForAutofill="no" />

    <EditText
        android:id="@+id/editTextTextPersonName2"
```

```xml
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.8"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.3" />

    <EditText
        android:id="@+id/editTextTextPersonName3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="textPersonName"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.8"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.4" />

    <EditText
        android:id="@+id/editTextNumberDecimal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="numberDecimal"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintHorizontal_bias="0.8"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.5" />

</androidx.constraintlayout.widget.ConstraintLayout>
```