

# Mobile application development(CSE 3075)

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5CSF4

# **Experiment 17:** SQLite Example

1.Design (activity main.xml)

```
android:inputType="text
<EditText
   android:autofillHints=""
   android:ems="10"
<EditText
   android:ems="10"
    android:layout marginStart="48dp"
```

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

## strings.xml

```
<string name="student_table">Student_table</string>
</resources>
```

#### AndroidManifest.xml

#### 2.JAVA FILE

### MainActivity.java

```
package com.example.sqliteexample_0223;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

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 editTextText,editTextText2,editTextText3,editTextText4;
    Button button,button2,button3,button4;
```

```
protected void onCreate(Bundle savedInstanceState) {
       public void onClick(View view) {
                buffer.append(("ID: " + res.getString(0) + "\n"));
               buffer.append(("Course: " + res.getString(2) + "\n"));
       public void onClick(View view) {
```

#### NewJavaFile

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

public class NewJavaFile 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="NAME";
    public static final String col_3="COURSE";
    public static final String col_4="MARKS";
    public NewJavaFile(@Nullable Context context) {
        super(context, DATABASE_NAME, null, 1);
    }
}
```

```
public void onCreate(SQLiteDatabase sqLiteDatabase) {
sqLiteDatabase.execSQL("create table "+TABLE_NAME+"(ID INTEGER PRIMARY KEY AUTOINCREMENT, NAME TEXT, COURSE TEXT, MARKS INTEGER)");
   public void onUpgrade (SQLiteDatabase sqLiteDatabase, int oldVersion,
        sqLiteDatabase.execSQL("DROP TABLE IF EXISTS "+TABLE NAME);
        SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
   public Cursor displayData() {
   public boolean updateData(String id,String name,String course,String
        SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
        SQLiteDatabase sqLiteDatabase=this.getWritableDatabase();
```

#### 3. Output in the emulator











