

```
// database.java
```

```
import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.DatabaseErrorHandler;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
public class database extends SQLiteOpenHelper {
    public database(Context context) {
        super(context, "info", null, 1);
    }
    @Override
    public void onCreate(SQLiteDatabase db) {
        db.execSQL("create table info(code int,name varchar)");
    }
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion) {
        db.execSQL("drop table if exists info");
        onCreate(db);
    }
    public void insert(int code,String name){
        SQLiteDatabase db=this.getWritableDatabase();
        ContentValues cv=new ContentValues();
        cv.put("code",code);
        cv.put("name",name);
        db.insert("info",null,cv);
    }
    public void update(int code,String name){
        SQLiteDatabase db=this.getWritableDatabase();
        ContentValues cv=new ContentValues();
        cv.put("code",code);
        cv.put("name",name);
        db.update("info",cv,"code=?",new String[]{Integer.toString(code)});
    }
    public void delete(int code){
        SQLiteDatabase db=this.getWritableDatabase();
        db.delete("info","code=?",new String[]{Integer.toString(code)});
    }
    public Cursor display(int code){
        SQLiteDatabase db=this.getWritableDatabase();
        return db.rawQuery("select * from info where    code="+Integer.toString(code),null);
    }
}
```

```
// ex5_main.java
```

```
import android.database.Cursor;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
```

```
public class ex5_main extends AppCompatActivity {
```

```
    private static final String TAG = "ddlogesh";
    database db;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.ex5_main);
```

```
        Button bt_insert=findViewById(R.id.bt_insert);
        Button bt_update=findViewById(R.id.bt_update);
        Button bt_delete=findViewById(R.id.bt_delete);
        Button bt_display=findViewById(R.id.bt_display);
```

```
        final EditText et_code=findViewById(R.id.et_code);
        final EditText et_name=findViewById(R.id.et_name);
```

```
        db=new database(getApplicationContext());
```

```
        bt_insert.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```
            db.insert(Integer.parseInt(et_code.getText().toString()),et_name.getText().toString());
        }
    });
```

```
        bt_update.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
```

```
            db.update(Integer.parseInt(et_code.getText().toString()),et_name.getText().toString());
        }
    });
```

```
        bt_delete.setOnClickListener(new View.OnClickListener() {
            @Override
```

```

        public void onClick(View v) {
            db.delete(Integer.parseInt(et_code.getEditableText().toString()));
        }
    });

    bt_display.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            Cursor res=db.display(Integer.parseInt(et_code.getEditableText().toString()));
            while(res.moveToNext()){
                Log.d(TAG,Integer.toString(res.getInt(0)) + "---" + res.getString(1));
            }
        }
    });
}
}

```

// Output

