```java
public class Main extends Activity {
    private Button btn_createdb;
    private Button btn_upgradedb;
    private Button btn_insert;
    private Button btn_upgrade;
    private Button btn_query;

    /** Called when the activity is first created. */
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.main);

        findView();
        setListener();
    }

    private void findView() {
    btn_createdb = (Button) this.findViewById(R.id.btn_createdb);
    btn_upgradedb = (Button) this.findViewById(R.id.btn_upgradedb);
    btn_insert = (Button) this.findViewById(R.id.btn_insert);
    btn_upgrade = (Button) this.findViewById(R.id.btn_upgrade);
    btn_query = (Button) this.findViewById(R.id.btn_query);
    }

    private void setListener() {
        // TODO Auto-generated method stub
btn_createdb.setOnClickListener(new CreatedbOnClickListener());
btn_upgradedb.setOnClickListener(new UpgradedbOnClickListener());
btn_insert.setOnClickListener(new InsertOnClickListener());
btn_upgrade.setOnClickListener(new UpgradeOnClickListener());
btn_query.setOnClickListener(new QueryOnClickListener());

    }

    /**
     * 创建数据库按钮的监听事件
     *
     * @author lilin
     *
     */
public class CreatedbOnClickListener implements OnClickListener {

        @Override
```

```java
public void onClick(View v) {
        // TODO Auto-generated method stub
// 创建一个DatabaseHelper对象
DatabaseHelper dbHelper = new DatabaseHelper(Main.this, "test.db");
// 只要调用 DatabaseHelper 对象 的 getWritableDatabase() 或 者
getReadableDatabase()才能创建数据库
SQLiteDatabase database = dbHelper.getWritableDatabase();
// 或者：SQLiteDatabase database = dbHelper.getReadableDatabase();
    }


}

    /**
     * 更新数据库按钮的监听事件
     *
     * @author lilin
     *
     */
public class UpgradedbOnClickListener implements OnClickListener {

        @Override
        public void onClick(View arg0) {
DatabaseHelper    dbHelper   =   new    DatabaseHelper(Main.this,
"test.db",2);// 传入的版本号为2
SQLiteDatabase database = dbHelper.getWritableDatabase();
        }

    }

    /**
     * 插入按钮的监听事件
     *
     * @author lilin
     *
     */
    public class InsertOnClickListener implements OnClickListener {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            // 生成ContentValue对象
            ContentValues values = new ContentValues();

            values.put("id", 1);
```

```java
            values.put("name", "lisi");

DatabaseHelper dbHelper = new DatabaseHelper(Main.this, "test.db");
SQLiteDatabase database = dbHelper.getWritableDatabase();
            /**
             * 第一个参数：表名
                第二个参数：值
             */
            database.insert("user", null, values);

        }


    }

    /**
     * 更新按钮的监听事件
     *
     * @author lilin
     *
     */
    public class UpgradeOnClickListener implements OnClickListener {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
DatabaseHelper dbHelper = new DatabaseHelper(Main.this, "test.db");
    SQLiteDatabase database = dbHelper.getWritableDatabase();
    ContentValues values = new ContentValues();
    values.put("name", "zhangsan");
            /**
             * 第一个参数：表名
             * 第二个参数：值
             * 第三个参数：where子句 问号是占位符
             */
database.update("user", values, "id=?", new String[] { "1" });
        }


    }

    /**
     * 查询按钮的监听事件
     *
     * @author lilin
     *
```

```
     */
    public class QueryOnClickListener implements OnClickListener {

        @Override
        public void onClick(View arg0) {
            // TODO Auto-generated method stub
            DatabaseHelper dbHelper = new DatabaseHelper(Main.this,
    "test.db");
            SQLiteDatabase database = dbHelper.getWritableDatabase();
            /**
             *  第一个参数：表名
             *  第二个参数：列名
             *  第三个参数：where子句, 问号是占位符
             */
Cursor cursor = database.query("user",new String[] { "id", "name" },
"id=?",new String[] { "1" }, "name=?", null,null);
            while(cursor.moveToNext()){
String id=cursor.getString(cursor.getColumnIndex("id"));
String name=cursor.getString(cursor.getColumnIndex("name"));
System.out.println(id+" | "+name);


            }
        }


    }
}
```

id=1

cursor

cursor.moveToNext