[Christophe Coenraets](http://coenraets.org/blog/)The Web Platform and Mobile Application Development

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Tutorial: Building an Android Application in 6 Steps

A few months ago, when I started working with Android, I built an Employee Directory application as an experimentation project. I thought this application could be useful to other developers starting with Android, so I’ve made it available as a [Google Code project](http://code.google.com/p/androidtutorial/). The Employee Directory application is built in six easy steps, each building on top of each other. The end result is a simple, yet functional application that allows you to:

* Look up employees by name in a local SQLite database
* Look at the details of an employee
* Call, email, text an employee from within the application
* Navigate up and down the organization’s org chart

You can download the Eclipse projects [here](http://code.google.com/p/androidtutorial/downloads/list). androidtutorial-1.0.zip includes a project for each step. EmployeeDirectory6 is the final application. If you prefer, you can also browse the source code [here](http://code.google.com/p/androidtutorial/source/browse/#svn/trunk/%20androidtutorial).

## Setting Up and Running the Projects in Eclipse

Here are some quick steps to set up and run the projects in Eclipse. If you just want to see how the application is built without setting up the projects, go straight to Step 1 below.

1. Download androidtutorial-1.0.zip [here](http://code.google.com/p/androidtutorial/downloads/list) (or check out the project from the trunk).
2. Follow the steps described [here](http://developer.android.com/sdk/index.html) to install the Android SDK and the ADT plugin for Eclipse.
3. In Eclipse, create a new Workspace and set its default Java Compiler compliance level to 1.5.
4. Import the projects: File > Import > General > Existing Projects into Workspace, and point to the androidtutorial directory.
5. Click [here](http://developer.android.com/guide/developing/eclipse-adt.html) for instructions on how to run your projects using the Android emulator or on your device.

## Step 1: Basic Layout

In this first step, we define the user interface for searching employees.



**Code highlights:**

[EmployeeList.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory1/src/samples/employeedirectory/EmployeeList.java): The default Activity of the application. setContentView() is used to set the layout to main.xml.

[main.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory1/res/layout/main.xml): the layout for the default activity of the application.

## Step 2: Working with Lists

In this second step, we add a ListView component that will be used (in the following step) to display the list of employees matching the search criteria. In this step, we just use an ArrayAdapter to display sample data in the list.



**Code highlights:**

[main.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory2/res/layout/main.xml): The updated layout with the ListView.

[EmployeeList.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory2/src/samples/employeedirectory/EmployeeList.java): An ArrayAdapter is used to populate the ListView.

## Step 3: Working with a SQLite Database

In this third step, we use a SQLite database to persist the employees. When the user clicks the Search button, we query the database, and populate the list with the employees matching the search criteria.



**Code highlights:**

[EmployeeList.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory3/src/samples/employeedirectory/EmployeeList.java):

* In onCreate(), we use the DatabaseHelper class to open the database.
* In search(), we use a Cursor to query the database. We then use a SimpleCursorAdapter to bind the ListView to the Cursor using a custom layout (employee\_list\_item) to display each item in the list.

[DatabaseHelper.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory3/src/samples/employeedirectory/DatabaseHelper.java): We extend SQLiteOpenHelper to manage the access to our database: If the database doesn’t yet exist, we create the employee table and populate it with sample data.

[employee\_list\_item.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory3/res/layout/employee_list_item.xml): Layout to display each item in the list.

## Step 4: Using Intents and passing information between Activities

In this fourth step, we create an Activity to display the details of the employee selected in the list. We start the EmployeeDetails activity by creating an Intent.



**Code highlights:**

[EmployeeList.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory4/src/samples/employeedirectory/EmployeeList.java): in onListItemClick, we create a new Intent for the EmployeeDetails class, add the employee id to the intent using intent.putExtra(), and start a new Activity.

[EmployeeDetails.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory4/src/samples/employeedirectory/EmployeeDetails.java): The Employee details activity. We retrieve the id of the employee using getIntent().getIntExtra(). We then use a Cursor to retrieve the employee details.

[employee\_details.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory4/res/layout/employee_details.xml): A simple layout to display the details of an employee.

## Step 5: Calling, Emailing, and Texting an Employee

In this fifth step, we interact with some of the built-in capabilities of our phone. We use Intents to allow the user to call, email, or text an employee. We reuse the EmployeeDetails Activity to allow the user to display the details of the manager of the selected employee.



**Code highlights:**

[EmployeeDetails.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory5/src/samples/employeedirectory/EmployeeDetails.java):

* In onCreate(), we build an array of actions (call, email, sms, view manager) available to the user depending on the information available for the displayed employee (for example, we only create a “Call mobile” action if the employee’s mobile phone number is available in the database).
* EmployeeActionAdapter is a custom list adapter that binds each action in the actions array to the action\_list\_item layout.
* In onListItemClick(), we create an Intent corresponding to the action selected by the user, and start a new activity with that intent.

[action\_list\_item.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory5/res/layout/action_list_item.xml): Layout for each action in the actions list.

[employee\_details.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory5/res/layout/employee_details.xml): Updated employee details layout.

## Step 6: Navigating Up and Down the Org Chart

In this sixth step, we create a new Activity to display the Direct Reports of the selected employee, allowing the user of the application to navigate up and down the org chart of the organization. We also improve some elements of the application: for example, we polish the user interface in several layouts, and we populate the database using an XML documents as opposed to the hardcoded sample data used in the previous steps.





**Code highlights:**

[DirectReports.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory6/src/samples/employeedirectory/DirectReports.java): A new Activity to display the direct reports of a specific employee.

[direct\_reports.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory6/res/layout/direct_reports.xml): The layout for the DirectReports Activity.

[EmployeeDetails.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory6/src/samples/employeedirectory/EmployeeDetails.java): “View direct reports” is added to the list of actions. When the user selects that action, a new Intent is created for the DirectReports Activity, and a new Activity is started using that Intent.

[DatabaseHelper.java](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory6/src/samples/employeedirectory/DatabaseHelper.java): Instead of populating the database with hardcoded sample data, the employee table is now created and populated from an XML file (sql.xml).

[sql.xml](http://code.google.com/p/androidtutorial/source/browse/trunk/%20androidtutorial/EmployeeDirectory6/res/raw/sql.xml): The xml file used to create and populate the employee table.

## Related Article

I built the same application using Flex 4 and AIR for Android. You can check it out [here](http://coenraets.org/blog/air-for-android-samples/employee-directory-for-android/).

### 124 Responses to ***Tutorial: Building an Android Application in 6 Steps***

1. ******SpencerOctober 10, 2010 at 12:27 pm[#](http://coenraets.org/blog/androidtutorial/#comment-119)  
   This example has helped me out greatly! But… I’m working with Android 2.1 and your step 4 package because I can’t seem to get step 6 working with 2.1 .  
   My question is for step 4. Every time I modify values from DatabaseHelper.java the changes don’t show up. I must uninstall the application each time and reinstall it for changes to be seen.  
   Is there any way you can help me out? I tried running an sql command at line 27 with no luck:  
   db.execSQL(“DELETE \* FROM employee”);  
   db.execSQL(sql);  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=119#respond)

* + TomMay 19, 2012 at 9:05 pm[#](http://coenraets.org/blog/androidtutorial/#comment-62561)  
    This is way old but in case anyone else is reading it;  
    standard sql would be “DELETE FROM employee” – the asterix is only used to say select ‘everything’ e.g. all columns. note the delete here will empty the table more common would be to delete from where ID e.g  
    “DELETE FROM employee where PERSONID = 1″ etc  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=62561#respond)

* + AMDNovember 2, 2012 at 4:54 pm[#](http://coenraets.org/blog/androidtutorial/#comment-160369)  
    @Spencer I am having the same problem. Can somebody help me  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=160369#respond)

1. manishNovember 8, 2010 at 6:36 am[#](http://coenraets.org/blog/androidtutorial/#comment-120)  
   Great Tutorial.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=120#respond)

1. [hans](http://khanh@khanhngn.com)November 25, 2010 at 2:53 am[#](http://coenraets.org/blog/androidtutorial/#comment-121)  
   Thank you for the great Tutorials.  
   I have a question for step 4. If I don’t want to create database in class DatabaseHelper, so I want to copy my own database from assets into data/data/mypackage/databases. I had many tries but no luck. Can you help me? Thank you.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=121#respond)

1. [Nathan5x](http://sabaritheflexian.com/)December 1, 2010 at 12:58 am[#](http://coenraets.org/blog/androidtutorial/#comment-122)  
   Much needed one for getting started.  
   Thanks a lot Chris.. :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=122#respond)

1. TanweerDecember 6, 2010 at 2:50 am[#](http://coenraets.org/blog/androidtutorial/#comment-123)  
   Hello,  
   I am building an AIR application for Android device and want to capture the inputs through voice using Android Speech API .  
   Can you please guide me how to do this.  
   Regards,  
   Tanweer  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=123#respond)

* + nnnFebruary 9, 2012 at 8:56 am[#](http://coenraets.org/blog/androidtutorial/#comment-22062)  
    fgsdtrg  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22062#respond)

1. GibbyDecember 14, 2010 at 10:43 pm[#](http://coenraets.org/blog/androidtutorial/#comment-124)  
   Is there anyway to add a newline character to a value when you populate your database via sql.xml?? I’ve tried using \n but it just gets displayed  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=124#respond)

1. GiumazziDecember 15, 2010 at 4:35 pm[#](http://coenraets.org/blog/androidtutorial/#comment-125)  
   First I want to excuse for my previous post in the wrong section (air).  
   I’d like to know how use a SQLite DB from asset folder to the application database directory.  
   I have tried to modify the database helper but without result.  
   Can you give me any help?  
   Tanks in advance.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=125#respond)

1. FedrixDecember 30, 2010 at 2:36 am[#](http://coenraets.org/blog/androidtutorial/#comment-126)  
   Thanks a lot Chris…… this tutorials helped me lot ….thank u once again…  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=126#respond)

1. GiladJanuary 1, 2011 at 1:14 pm[#](http://coenraets.org/blog/androidtutorial/#comment-127)  
   Very nice tutorial!!!!! It really helped me! Thanks alot!!!  
   I was slightly confused about the SQL part and would appreciate a more elaborate explanation.  
   Thanks again!  
   Gilad  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=127#respond)

1. rajJanuary 13, 2011 at 4:04 am[#](http://coenraets.org/blog/androidtutorial/#comment-128)  
   plz,tell me how to create and run android application in detail bcoz i dont know much about android appliaction  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=128#respond)

1. rajJanuary 13, 2011 at 4:05 am[#](http://coenraets.org/blog/androidtutorial/#comment-129)  
   am using eclipse3.4 help me how to create and run android application  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=129#respond)

1. SuperJanuary 23, 2011 at 12:24 pm[#](http://coenraets.org/blog/androidtutorial/#comment-130)  
   A very nice tutorial! It helped me to understand some basic idea in Android programming. Thanks a lot!  
   I’d suggest including the main.xml in the Code highlights of “Step 3″, the linkage of Seach button and Search function is defined in the xml. It’s really important. It takes me few hours to trace the reason why my program doesn’t work as expected (I try to follow the steps without download your source)….  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=130#respond)

1. Pa1January 25, 2011 at 4:56 am[#](http://coenraets.org/blog/androidtutorial/#comment-131)  
   Hey Christophe, Thanks a ton for providing such a Gr8 tutorial. Its extremely helpful.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=131#respond)

1. ReohnJanuary 28, 2011 at 1:15 pm[#](http://coenraets.org/blog/androidtutorial/#comment-132)  
   Super, thanks for that comment! I had just spent an hour puzzling over that connection as well! Besides that little oversight this is a great tutorial! Thanks!  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=132#respond)

* + JasbeerMarch 21, 2012 at 11:58 am[#](http://coenraets.org/blog/androidtutorial/#comment-34673)  
    i found the tutorial very very nice my point of view .  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=34673#respond)

1. ReohnJanuary 28, 2011 at 6:17 pm[#](http://coenraets.org/blog/androidtutorial/#comment-133)  
   I don’t know if anyone else had this problem, but in step four I change all my code (even downloaded the source code and pasted it directly into my project) but it is causing the emulator to crash (the application stopped unexpectedly). There are no errors or even warnings in my code. If I revert to step 3 the code still works. At step 4 however I can search and the list comes up, but when I click on one of the list items it closes. The debugger stops at a stack error “Native.Start.main(String[]) line: not available [native method] and in the details it says source not found. Any ideas?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=133#respond)

1. [Bala](http://www.softechsolutions.com.au/)February 1, 2011 at 11:03 pm[#](http://coenraets.org/blog/androidtutorial/#comment-134)  
   Awesome stuff mate. Excellent tutes and will go a long way in helping us get a start with Android.  
   Cheers  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=134#respond)

1. SteveFebruary 4, 2011 at 2:00 pm[#](http://coenraets.org/blog/androidtutorial/#comment-135)  
   In step 4 I had to add a . in front of EmployeeDetails (so should be .EmployeeDetails — compare and make sure it looks the same as .EmployeeList), I believe this is to state it is a class off the package defined…hope this helps others stuck on step 4  
   btw…great tutorial!  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=135#respond)

1. SteveFebruary 4, 2011 at 6:22 pm[#](http://coenraets.org/blog/androidtutorial/#comment-136)  
   …sorry, in my previous post, I am talking about updates in the AndroidManifest.xml file  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=136#respond)

1. AliFebruary 11, 2011 at 6:26 am[#](http://coenraets.org/blog/androidtutorial/#comment-137)  
   Hi Christophe,  
   What a great tutorial I love it and have been using it for my own project but I need a little bit help if that’s ok. I want to insert latitude/longitude in the database using ‘sql statements’ and convert that into an address (e.g. London Road, UK) and show it on google maps. Is it possible to do this and how? Thanks in advance.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=137#respond)

1. vlodimerFebruary 20, 2011 at 7:08 am[#](http://coenraets.org/blog/androidtutorial/#comment-138)  
   this project is only for android v.2.2+?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=138#respond)

1. [vedavyas](http://www.kubicals.com/)March 1, 2011 at 3:50 am[#](http://coenraets.org/blog/androidtutorial/#comment-139)  
   Hi Christophe,  
   I am new to the android world  
   i want to display the data from sqlite in the form of list by using listview  
   each list item should contain different icons  
   plz…. help me  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=139#respond)

1. MikeMarch 2, 2011 at 4:45 pm[#](http://coenraets.org/blog/androidtutorial/#comment-140)  
   Christophe  
   I am new to flex development so i apologize if this is a simple problem to fix.  
   I am using flex 4.5 burrito on windows 7.  
   i keep getting a 2032 error when i try to run the application for the first time.  
   RPC Fault faultString=”HTTP request error” faultCode=”Server.Error.Request” faultDetail=”Error: [IOErrorEvent type="ioError" bubbles=false cancelable=false eventPhase=2 text="Error #2032: Stream Error. URL: app:/assets/employees.xml" errorID=2032]. URL: ../assets/employees.xml”]  
   at mx.rpc::AbstractInvoker/http://www.adobe.com/2006/flex/mx/internal::faultHandler()[E:\dev\hero\_private\_beta\frameworks\projects\rpc\src\mx\rpc\AbstractInvoker.as:345]  
   at mx.rpc::Responder/fault()[E:\dev\hero\_private\_beta\frameworks\projects\rpc\src\mx\rpc\Responder.as:68]  
   at mx.rpc::AsyncRequest/fault()[E:\dev\hero\_private\_beta\frameworks\projects\rpc\src\mx\rpc\AsyncRequest.as:113]  
   at DirectHTTPMessageResponder/errorHandler()[E:\dev\hero\_private\_beta\frameworks\projects\rpc\src\mx\messaging\channels\DirectHTTPChannel.as:410]  
   at flash.events::EventDispatcher/dispatchEventFunction()  
   at flash.events::EventDispatcher/dispatchEvent()  
   at flash.net::URLLoader/onComplete()  
   any ideas on how to resolve ?  
   thx  
   mike  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=140#respond)

1. Marie SheldonMarch 17, 2011 at 10:03 am[#](http://coenraets.org/blog/androidtutorial/#comment-142)  
   I solved my issue :  
   For some reason, it is impossible to call a webserver from your device in Debug or Regular mode when the Network Monitor in Flash Builder is on. (!!!)  
   So I just turned it off and my app started to work.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=142#respond)

1. meMarch 18, 2011 at 7:39 pm[#](http://coenraets.org/blog/androidtutorial/#comment-143)  
   Hello & Thank U for tutorials! ;)  
   Especially for this one! :)  
   Bookmarked page.  
   Hopping get more tutorials! ;)  
   Especially with GPS or Google Maps API :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=143#respond)

1. [Mobile Mass Money](http://mobilemassmoneyinfo.blogspot.com/)March 26, 2011 at 1:58 am[#](http://coenraets.org/blog/androidtutorial/#comment-144)  
   What an article. You have solved all the questions which newbies have in their mind. Keep up with this. With the help of your article even i can start making good applications  
   Thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=144#respond)

1. Vivek RathaurMay 19, 2011 at 6:29 am[#](http://coenraets.org/blog/androidtutorial/#comment-145)  
   Thank you very much Sir. Your code and tutorial helped me a lot in escaping from the web of the ListViews. Now i can do better. Thanks a lot again.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=145#respond)

1. georgeMay 25, 2011 at 4:01 am[#](http://coenraets.org/blog/androidtutorial/#comment-146)  
   thank you for your source code, coz it help help us big time..  
   am having an error on EmployeeDetails on line 29  
   known as EmployeeAction cannot be resolved to a type, also I dont know what it means  
   help me out please coz am stuck  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=146#respond)

1. georgeMay 25, 2011 at 4:08 am[#](http://coenraets.org/blog/androidtutorial/#comment-147)  
   Mr. Cristophe  
   am requesting if you can send me the codes  
   that will help me create another interface  
   for entering data into the Employee Directory  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=147#respond)

1. MikeJune 8, 2011 at 4:38 pm[#](http://coenraets.org/blog/androidtutorial/#comment-148)  
   New to Android and this was a big help!!  
   Thanks for the well put together example and study of this matter.  
   The only!! matter that was not explained was how to update the data .  
   Is there a edit menu system hook that inflates on long item press,native to the OS.  
   That allows the user to update the Name and Numbers etc.??  
   Could you show how that would be done.  
   Thanks for sharing,  
   Mike  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=148#respond)

1. [Alvin](http://udemy.com/)June 20, 2011 at 1:03 pm[#](http://coenraets.org/blog/androidtutorial/#comment-149)  
   Hi Christophe,  
   I’m on the biz dev team at Udemy, a website that lets anyone create and take a course online. We’ve recently had top-tier partners (with distribution to over 800,000 users) request courses on building Android applications using Adobe Flex.  
   We’ve seen your 6-step Android tutorial and love your work. We’d like to invite you to create a course on <http://www.udemy.com/>. On Udemy, we provide tools to build your own course, and its completely free. If you charge for your course, you keep 80% of the revenue you generate.  
   Technical courses have been in huge demand on Udemy– Bess Ho’s “Learn to Develop an iPhone or iPad application in 4 weeks,” and Zed Shaw’s “Learn Python the Hard Way” have generated over $90,000 in sales in their first two months! The demand for development courses continues to grow but we don’t have enough to sell.  
   Would you be interested in setting up a call to learn more?  
   Best,  
   Alvin Hsia  
   P.S. Please feel free to forward this information on to anyone else you think may be interested  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=149#respond)

1. [android developer](http://espaciotemporal.com/)June 29, 2011 at 9:59 am[#](http://coenraets.org/blog/androidtutorial/#comment-150)  
   I love your post.  
   Your writing is very helpful to me, who happened to learn about the android.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=150#respond)

1. mosesJuly 6, 2011 at 6:05 am[#](http://coenraets.org/blog/androidtutorial/#comment-151)  
   nice tutorial but in the 3rd step i get an error in the main.xml that says the attribute onClick is not in the android package what can i do pliz help  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=151#respond)

1. paulJuly 7, 2011 at 2:09 pm[#](http://coenraets.org/blog/androidtutorial/#comment-152)  
   Hi Chris  
   I am developing a Flex 4 web application and need to create a php service that performs a multiple table insert of related tables.  
   Kindly help with structure. Below are my tables  
   clients (title, firstName, lastName)  
   clientdependants (client\_id, dependantNames, dependantDateOfBirth, dependantRelationship)  
   clientssupportworker (client\_id, supportWorker\_id, sw\_firstName, sw\_lastName)  
   riskissues (client\_id, riskIssue)  
   thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=152#respond)

1. ScottJuly 16, 2011 at 8:25 am[#](http://coenraets.org/blog/androidtutorial/#comment-153)  
   Great tutorial. One error though… Dwight is “Asst. to the Regional Manager” not “Asst. Regional Manager”. ;-)  
   LOVE the contacts you used.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=153#respond)

1. vinodJuly 19, 2011 at 9:54 pm[#](http://coenraets.org/blog/androidtutorial/#comment-154)  
   I need to create a reusable component for Database use. If anyone can tell me how can I do this will be great help.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=154#respond)

1. Abdul latheefJuly 21, 2011 at 12:05 pm[#](http://coenraets.org/blog/androidtutorial/#comment-155)  
   Hi  
   Thank you for your article , very useful for me.  
   with regards  
   Latheef  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=155#respond)

1. RamJuly 23, 2011 at 12:58 am[#](http://coenraets.org/blog/androidtutorial/#comment-156)  
   Hi sir,  
   dis s nice tutorial for me. It’s good article. thx.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=156#respond)

1. PallavJuly 23, 2011 at 12:31 pm[#](http://coenraets.org/blog/androidtutorial/#comment-157)  
   Really amazing tutorial. Liked it to the core.  
   Thanks.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=157#respond)

1. swathiAugust 10, 2011 at 12:48 am[#](http://coenraets.org/blog/androidtutorial/#comment-158)  
   nice tutorial….how to add a image for the same…ie storing url of image in sqlite and download and display the image along with text data in the list  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=158#respond)

1. george nyarkoAugust 11, 2011 at 10:37 am[#](http://coenraets.org/blog/androidtutorial/#comment-159)  
   can someone please help me design an android application that will dial only one number when a user clicks on the icon or short. and how to compile it .a step by step manual will do me great.thank you all  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=159#respond)

1. RatihAugust 12, 2011 at 3:12 am[#](http://coenraets.org/blog/androidtutorial/#comment-160)  
   Thank you,  
   It’s really simple tutorial but very very helpful.  
   can i ask you, i cannot view the data (cannot read data from database). What’s my problem?  
   Regards,  
   RNg  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=160#respond)

1. Thomas FranclAugust 19, 2011 at 5:26 pm[#](http://coenraets.org/blog/androidtutorial/#comment-161)  
   This is the first useful example that actually works! Thank you Christophe.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=161#respond)

1. Hema VenkataramanAugust 20, 2011 at 5:38 am[#](http://coenraets.org/blog/androidtutorial/#comment-162)  
   Thanks so much for the tutorial.  
   I Created Family and FamilyDetails instead of employee  
   I am stuck in the step 4. When I click on the list item it just opens an empty screen with the app name. It does not show up the details of the family. I used the log also whatever I logged after the call to Super create in the Family Details class also is not getting printed. I am doubtful whether it has started the Family Details Activity at all.  
   The log final lines are:  
   I/ActivityManager( 68): Starting: Intent { cmp=com.familydb/.FamilyDetails (has extras) } from pid 337  
   I/ActivityManager( 68): Displayed com.familydb/.FamilyDetails: +524ms  
   That is it. I am not seeing anything except the app name on the top and empty screen below.  
   Can anyone help me ?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=162#respond)

1. GianniDecember 14, 2011 at 7:18 am[#](http://coenraets.org/blog/androidtutorial/#comment-164)  
   Very useful. Code well built  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=164#respond)

1. [agus @ ROR Developer](http://kiranatama.com/)December 14, 2011 at 11:47 pm[#](http://coenraets.org/blog/androidtutorial/#comment-165)  
   Great tutorial! Now, how do we package the files (or turn it into an app) so that we don’t have to have our phone plugged into our computer to access it?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=165#respond)

1. yogiDecember 17, 2011 at 9:41 am[#](http://coenraets.org/blog/androidtutorial/#comment-166)  
   hey give the complete project zip……….  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=166#respond)

1. [Colin](http://www.vertygoeclypse.com/)December 30, 2011 at 11:52 am[#](http://coenraets.org/blog/androidtutorial/#comment-167)  
   Hey,  
   I am now learning to program in Android and I am trying your tutorials, I am having an issue with step 3 as the data is not showing up in the emulator. I believe I possibly typed something wrong but I cannot seem to find it. Can you assist me please.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=167#respond)

1. [ANdres](http://student/)January 3, 2012 at 6:00 pm[#](http://coenraets.org/blog/androidtutorial/#comment-168)  
   Hi,  
   Great tutorial!! and its funny how you used “the office” employees for your tutorial :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=168#respond)

1. Ian VilarJanuary 13, 2012 at 1:54 am[#](http://coenraets.org/blog/androidtutorial/#comment-9692)  
   Thank you very much for the tutorial, I’m starting android development and it helped me a lot to understand somethings.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=9692#respond)

1. naveenJanuary 17, 2012 at 7:40 am[#](http://coenraets.org/blog/androidtutorial/#comment-11751)  
   how to set the different icon to the list in android…….plz help me  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=11751#respond)

* + [AndroidResearch](http://androidresearch.wordpress.com/)January 19, 2012 at 3:44 pm[#](http://coenraets.org/blog/androidtutorial/#comment-12935)  
    @naveen, for what you want to achieve I believe you should consider this post: <http://androidresearch.wordpress.com/2012/01/07/building-a-custom-fancy-listview-in-android/>  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=12935#respond)

1. VikJanuary 22, 2012 at 12:44 pm[#](http://coenraets.org/blog/androidtutorial/#comment-14116)  
   How to show the content of the database to enable me to navigate up and down the org chart of the organization. My emulator can only show one at the time.  
   great tutorial thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=14116#respond)

1. shoeJanuary 23, 2012 at 8:10 pm[#](http://coenraets.org/blog/androidtutorial/#comment-14633)  
   Sorry to stray from the crowd but…  
   In short your tutorial does noting more than provide the code. Youve simply thrown some rubbish example at us and then began with a sort of step 1… here’s the basics. Oh great i thought… then… step 2.. but by the time we get to step 2 we’re lost. Nice try though.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=14633#respond)

1. tanuJanuary 24, 2012 at 7:16 am[#](http://coenraets.org/blog/androidtutorial/#comment-14825)  
   its nt enough for the begineer :(  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=14825#respond)

1. RichardJanuary 24, 2012 at 11:19 pm[#](http://coenraets.org/blog/androidtutorial/#comment-15127)  
   Hi,  
   When I download the tutorial code and import it into eclipse. I am greeted with the error message.  
   [2012-01-24 20:41:39 - EmployeeDirectory1] Unable to resolve target ‘android-8′  
   and  
   Project ‘EmployeeDirectory1′ is missing required source folder: ‘gen’  
   How do I go about resolving the issue?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=15127#respond)

1. zahidJanuary 27, 2012 at 11:51 am[#](http://coenraets.org/blog/androidtutorial/#comment-16505)  
   Any body have full project code of this application plz mail me at [zahidiqbal1990@yahoo.com](mailto:zahidiqbal1990@yahoo.com) I will be very thankful to him/her.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=16505#respond)

1. YunusFebruary 1, 2012 at 2:04 pm[#](http://coenraets.org/blog/androidtutorial/#comment-19198)  
   Unfortunately, only first record in the xml file added to the database. I cant make other records to insert to database. Is anybody have a similar problem like that ?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=19198#respond)

* + YunusFebruary 1, 2012 at 2:19 pm[#](http://coenraets.org/blog/androidtutorial/#comment-19201)  
    It’s OK. cause of some missing escape chars.  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=19201#respond)

* + - VikFebruary 10, 2012 at 5:02 am[#](http://coenraets.org/blog/androidtutorial/#comment-22355)  
      Hi Yunus,  
      I have the same problem. What do you mean by escape chars.  
      Thanks for your help  
      [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22355#respond)

* + HenryFebruary 16, 2012 at 6:57 pm[#](http://coenraets.org/blog/androidtutorial/#comment-24285)  
    Hi,  
    Did you manage to sort out how to insert new employees?  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=24285#respond)

1. Fadi RamadanFebruary 6, 2012 at 7:54 pm[#](http://coenraets.org/blog/androidtutorial/#comment-21173)  
   How can i keep the list showing?  
   I want the list to show up even if i didn’t input anything and when you use the search bar it kinda filters the items out!  
   PLEASE help :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=21173#respond)

1. Fadi RamadanFebruary 8, 2012 at 12:16 pm[#](http://coenraets.org/blog/androidtutorial/#comment-21771)  
   How can I autoclick the search item!  
   I want to auto click the button!!!!  
   so that the list comes up by defualt and then you can search it!  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=21771#respond)

* + SteveMarch 11, 2012 at 4:46 am[#](http://coenraets.org/blog/androidtutorial/#comment-31313)  
    Hi, Great tutorial, thanks.  
    Can you tell me how i would auto populate the list view?  
    When we enter the listview, it is blank until 1: we request search results, or 2: click the search button when the EditText is empty. I would like to populate the listview with the full contents of my database when we first enter the activity.  
    Any help would be appreciated, thanks.  
    Thanks,  
    Stevie.  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=31313#respond)

1. Fadi RamadanFebruary 9, 2012 at 9:57 am[#](http://coenraets.org/blog/androidtutorial/#comment-22077)  
   How can i add a photo ? to details and a thumbnail to the listview???  
   Please help !!!  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22077#respond)

1. [Faruk](http://www.farukonder.net/)February 9, 2012 at 11:04 pm[#](http://coenraets.org/blog/androidtutorial/#comment-22280)  
   hi,  
   When I started this tutorial this morning, I did not know almost nothing about how to write an application to android. but this article help me a lot.  
   thanks for your greate work  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22280#respond)

1. ekremFebruary 10, 2012 at 7:26 am[#](http://coenraets.org/blog/androidtutorial/#comment-22386)  
   Great work  
   I have question about your search routine  
   cursor = db.rawQuery(“SELECT \_id, firstName, lastName, title FROM employee WHERE firstName || ‘ ‘ || lastName LIKE ?”, new String[]{“%” + searchText.getText().toString() + “%”});  
   your search parameter is sql searching whit LIKE parameter  
   when type ” s” then starting search and then listing includade first name first character “s”  
   how I can setting your search routine whitout LIKE parameter  
   so when type only “s” character system dont result any record even include firstame start character “s”  
   sorty my englısh  
   regards  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22386#respond)

1. ekremFebruary 10, 2012 at 2:10 pm[#](http://coenraets.org/blog/androidtutorial/#comment-22486)  
   in search routine ,  
   how I can showing screen “no employee found” if not finding matching employee name  
   whit toast message  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=22486#respond)

1. [AN Web Services](http://anwebservices.com/)February 13, 2012 at 2:01 am[#](http://coenraets.org/blog/androidtutorial/#comment-23200)  
   WOW… Great shortcut to what i need to create list of social club members. Great article. Thanks for sharing :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=23200#respond)

1. [Android app builder](http://www.mobileappwizard.com/)February 14, 2012 at 12:41 pm[#](http://coenraets.org/blog/androidtutorial/#comment-23634)  
   Android is the phone whose market is day after day increasing. People are using the phone with android OS because it is too cheaper and provide the great stability to user of this.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=23634#respond)

1. HenryFebruary 16, 2012 at 6:28 pm[#](http://coenraets.org/blog/androidtutorial/#comment-24280)  
   Hi,  
   I am trying to add/remove emplyees in the sql.xml file but nothing seems to work. The original list just keeps loading everytime. can you help with this please?  
   Thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=24280#respond)

1. F. A.February 23, 2012 at 6:37 pm[#](http://coenraets.org/blog/androidtutorial/#comment-26364)  
   Dwight is Assistant TO THE Regional Manager ;)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=26364#respond)

1. [Andolasoft](http://www.andolasoft.com/)February 24, 2012 at 5:16 am[#](http://coenraets.org/blog/androidtutorial/#comment-26454)  
   This is quit interesting for android application developer. But if you have any question about Android problem then you can ask me.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=26454#respond)

1. [Gisela Novoa](http://bxvxcxg.net/)February 24, 2012 at 4:34 pm[#](http://coenraets.org/blog/androidtutorial/#comment-26565)  
   Excellent article. I like your zero bs articles they’re the main reason I keep coming back here.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=26565#respond)

1. [carsanjay](http://www.carsanjay.com/)February 26, 2012 at 7:24 pm[#](http://coenraets.org/blog/androidtutorial/#comment-27085)  
   this is tutorial for me who want to get started for android programming. thanks uncle !  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=27085#respond)

1. [android app development](http://www.arthisoft.com/andoird)February 27, 2012 at 12:31 pm[#](http://coenraets.org/blog/androidtutorial/#comment-27305)  
   great share and its really good that build an application by own with out anybodies help too good keep on buddy  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=27305#respond)

1. GirishFebruary 29, 2012 at 8:50 am[#](http://coenraets.org/blog/androidtutorial/#comment-28122)  
   Hi, i’m new to android. tell me how to set the text which is fetched from database and in each row there should be two or more textviews with buttons.Please tell me how to implement this.U can send source code to my mail id [girishbht5@gmail.com](mailto:girishbht5@gmail.com)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=28122#respond)

1. [Muninder](http://electronicprojs.blogspot.com/)March 7, 2012 at 12:28 pm[#](http://coenraets.org/blog/androidtutorial/#comment-30369)  
   Very nice article, just a comment please mention the pre-requisite as Android Version >1.5  
   Coz Android 1.5 doesn’t support = > android:onClick=”search” />  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=30369#respond)

1. NarasingaMoorthyMarch 8, 2012 at 7:11 am[#](http://coenraets.org/blog/androidtutorial/#comment-30591)  
   Hi,this is nice …its very use full for me..i am using step 6 in my android application..i created sql.xml file for inserted my data (id ,name and phone number)first time created and listed in my emulator…my question is inserted again record in my sql its not affected emulator..my problem is again and again repeated… please help me..  
   thanks in advance…  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=30591#respond)

1. [Muralidhar](http://www.farasbee.com/blog)March 9, 2012 at 10:49 am[#](http://coenraets.org/blog/androidtutorial/#comment-30895)  
   Nice tutorial!  
   Found another cool tutorial on how to make a super simple android app super quickly here <http://bit.ly/xisquz>  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=30895#respond)

1. MattMarch 10, 2012 at 6:54 am[#](http://coenraets.org/blog/androidtutorial/#comment-31082)  
   Actually, Dwight Schrute is “Assistant to the General Manager”/  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=31082#respond)

1. Renato FernandesMarch 15, 2012 at 7:20 pm[#](http://coenraets.org/blog/androidtutorial/#comment-32699)  
   Is it just me or the tutorial misses the listener for the button? Well, I managed to fix this by including at the EmployeeList class the following inside onCreate() method:  
   Button searchButton = (Button)findViewById(R.id.searchButton);  
   searchButton.setOnClickListener(new OnClickListener() {  
   @Override  
   public void onClick(View view) {  
   search(employeeList);  
   }  
   });  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=32699#respond)

* + winuxJuly 16, 2012 at 5:03 pm[#](http://coenraets.org/blog/androidtutorial/#comment-96231)  
    Is it just me or the tutorial misses the listener for the button? Well, I managed to fix this by including at the EmployeeList class the following inside onCreate() method:  
    Button searchButton = (Button)findViewById(R.id.searchButton);  
    searchButton.setOnClickListener(new OnClickListener() {  
    @Override  
    public void onClick(View view) {  
    search(employeeList);  
    }  
    });  
    I think you are right I am nor trying to locate the exact location so I can insert the Button  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=96231#respond)

1. herethereMarch 16, 2012 at 2:49 am[#](http://coenraets.org/blog/androidtutorial/#comment-32798)  
   how do I change the database, changing the names, titles, contact nos., etc?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=32798#respond)

1. anbuMarch 22, 2012 at 7:57 am[#](http://coenraets.org/blog/androidtutorial/#comment-34997)  
   this tutorial is nice & help to me. i am new Android Developer . this field is very new for me. this tutorial is very helpful & GUIDE TO ME . THANKS.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=34997#respond)

1. DaveMarch 27, 2012 at 9:15 pm[#](http://coenraets.org/blog/androidtutorial/#comment-37140)  
   Can somebody tell me how you can change the database entries please? Thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=37140#respond)

1. [Android App Builder](http://mobileappwizard.com/)April 2, 2012 at 4:35 am[#](http://coenraets.org/blog/androidtutorial/#comment-39838)  
   I agree with you.This is quit interesting for android application developer. But if you have any question about Android problem then you can ask me..Thanks for the great info!!  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=39838#respond)

* + AarviApril 18, 2012 at 2:01 pm[#](http://coenraets.org/blog/androidtutorial/#comment-47827)  
    Hey Team,  
    I was good till step 2, but in Step 3, I am unable to populate the list when click on the Search button.  
    1. I have added the search method on the onClick event of Button.  
    2. Also I have added the listener for the Button in the onCreate Method.  
    Button searchButton = (Button)findViewById(R.id.btnSearch);  
    searchButton.setOnClickListener(new OnClickListener() {  
    @Override  
    public void onClick(View view) {  
    search(lstViewResources);  
    }  
    });  
    But both the things above didnt work out.  
    Can you help me with this problem. Also one thing I was unable to SOP the values and strings, I dnt know if I am doing something wrong, but I think it must be pretty straightforward with the SOP command.  
    Thanks in advance for the suggestions  
    Aarvi  
    [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=47827#respond)

1. PierreApril 2, 2012 at 6:17 pm[#](http://coenraets.org/blog/androidtutorial/#comment-40082)  
   “we populate the database using an XML documents as opposed to the hardcoded sample data used in the previous steps”  
   I can understand having your data in an XML file. Separating data from code sounds like a good idea. But raw sql statements? How is this better than your java Database helper?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=40082#respond)

1. AarviApril 18, 2012 at 1:46 pm[#](http://coenraets.org/blog/androidtutorial/#comment-47824)  
   Thank you so much for the post.  
   Its really great for helping the newbies like me.  
   I have done good till step 2, but after that I am unable to populate the list.  
   1. I have added the search method on the onClick event of Button.  
   2. Also I have added the listener for the Button in the onCreate Method.  
   Button searchButton = (Button)findViewById(R.id.btnSearch);  
   searchButton.setOnClickListener(new OnClickListener() {  
   @Override  
   public void onClick(View view) {  
   search(lstViewResources);  
   }  
   });  
   But both the things above didnt work out.  
   Can any one help me with this problem. Also one thing I was unable to SOP the values and strings, I dnt know if I am doing something wrong, but I think it must be pretty straightforward with the SOP command.  
   Thanks in advance for the suggestions  
   Aarvi  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=47824#respond)

1. PrakashMay 7, 2012 at 9:21 am[#](http://coenraets.org/blog/androidtutorial/#comment-56336)  
   I am new to android. can u tell me how to save tamil words in android database and retrieve it.. i have searched many things but nothing worked out.. Help me..  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=56336#respond)

1. [Chris](http://none/)May 17, 2012 at 6:37 pm[#](http://coenraets.org/blog/androidtutorial/#comment-61514)  
   Id like to accomplish the same but I would like to import my Directory data from a .csv file. The data includes name, location, phone number, ect. I want the app user to be able to seach the directory based on different filters (location, ect). Once a person from the directory is loaded, Id like to have the option of the user uploading a photo that would appear on the bottom that entry page (in a photo album).  
   Not sure how/If the 2 databases can be created using this method. i am also looking into AppInventor/Twdb.  
   Thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=61514#respond)

1. gayathriMay 19, 2012 at 5:01 am[#](http://coenraets.org/blog/androidtutorial/#comment-62233)  
   hello,  
   i want to build an app in which after taking picture it should give some information can u guide me how to do this..  
   thank you  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=62233#respond)

1. CarribeanMay 23, 2012 at 12:09 pm[#](http://coenraets.org/blog/androidtutorial/#comment-64326)  
   WOW! This tutorial is Marvelous. Its so understandable and step-by-step guide.  
   Please can you help me out.  
   I am developing a GPS tracking app on Android 2.2 using Eclipse IDE and want to send Location updates between two Android phones so that both can track one another over the Map.  
   Its like if some family members go somewhere then they can track each other’s location on the map using GPS by using this app.  
   Please I dont know where to start, please I need help, its urgent.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=64326#respond)

1. [phontric](http://system071.cytrontech.com/)May 28, 2012 at 7:20 am[#](http://coenraets.org/blog/androidtutorial/#comment-66530)  
   Thank you So much, its hard to find tutorials that are Complex but simple to Understand this is one of those tutorials very simple concept of Using the SQLiteDb in android.  
   Your concept was very useful to me so let me shear what i did with your concept.  
   DBHandler CLass (Snipit)  
   ================================================  
   /////[OPEN THE DATABASE]/////////////////////////////////////////////////////////////////////////////////  
   public DbHandler open() throws SQLException{  
   Log.d(“chk”, “chk 3 dbhelper call open”);  
   db = dbhlper.getWritableDatabase();  
   return this;  
   }  
   /////[CLOSE THE DATABASE]///////////////////////////////////////////////////////////////////////////////  
   public void close(){  
   db.close();  
   }  
   ///[SEARCH SET]/////////////////////////////////////////////////////////////////////////////////////////////////////  
   public Cursor search(String stext)throws SQLException{  
   Log.d(“dbchk”, “Search fucation call”);  
   return db.rawQuery(“SELECT \_id, ”  
   +” entery\_name ” //Colm 0 get (ID)  
   +”, Fcity ” //Colm 1 get  
   +”, Fdate ” //Colm 2 get  
   +”, lgps ” //Colm 3 get  
   +”, SysMonth ” //Colm 4 get  
   +”, SysYear ” //Colm 5 get  
   +”, TimeEvent” //Colm 6 get  
   +” FROM taggingTable ” //Table to GetFrom  
   +” WHERE ” //Checker KEYWORD  
   +” Post\_Code ” //Colm to LookIn 1  
   +” || ‘ ‘ || ” //Colm to LookIn 2  
   +” Fdate || ” //Colm to LookIn 3  
   +” SysMonth || ” //Colm to LookIn 4  
   +” SysYear ” //Colm to LookIn 5  
   +” LIKE ?”, new String[]{“%” + stext + “%”}); //Search String “stext” from the call Activity  
   }  
   ===========================================================================================  
   CallingActivity class \*\*note: this is any class that is goting to call the DB  
   CallingActivity Class (Snipit)  
   ============================================================================================  
   DBHandler dbHler = new DHandler();  
   Cursor cCursor;  
   public void searchqry(View view){  
   dbHdler.open();  
   cCursor = dbHdler.search(searchText.getText().toString()); //What is passed is a String  
   adapter = new SimpleCursorAdapter(this,  
   R.layout.queryreturn,  
   cCursor,  
   new String[] {“entery\_name”, “Fcity”, “lgps” , “TimeEvent” ,”\_id”},  
   new int[] {R.id.tvSrchImgName, R.id.tvSrchCity, R.id.tvSrchGPS ,R.id.tvSrchTime , R.id.tvSrchTID});  
   monthList.setAdapter(adapter);  
   dbHdler.close();  
   }  
   =============================================================================================  
   My Calling Activity has not idea whats going on in the Database on the DBhandler  
   this way you can apply this to other Activity which want to call the search.  
   more of setup one time used many times  
   but i dont take any create for this all the credit is Christophe for showing this concept  
   Thank you  
   I will add your site as a link to my Website i am a Website admin for many website i think i will add Links  
   on them as well in relavent to the content here.  
   Hit back on mrsweetps11v?a?gmail?dot?com  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=66530#respond)

1. RonnyJune 16, 2012 at 8:28 pm[#](http://coenraets.org/blog/androidtutorial/#comment-77472)  
   I just cant add this sign & not even like this & og & og \u0026.  
   I har in the sql.xml like this –> INSERT INTO employee VALUES(27,’Enoksen& …….)  
   but it´gives me error.  
   not even this  
   INSERT INTO employee VALUES(27,’Enoksen&’….) works  
   help me how do i overcome the use of amp/& in the sql statement lines, please help me.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=77472#respond)

1. suresh sJune 27, 2012 at 5:08 am[#](http://coenraets.org/blog/androidtutorial/#comment-84872)  
   I am new to android . Can someone help me to develop a battery saver for android 2.1.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=84872#respond)

1. somebodyJuly 20, 2012 at 6:41 pm[#](http://coenraets.org/blog/androidtutorial/#comment-98503)  
   Why do people keep linking the Android to Windows for? The AndroidOS is Linux-based…  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=98503#respond)

1. [Digital Publishing](http://www.tapedition.com/)July 24, 2012 at 9:15 am[#](http://coenraets.org/blog/androidtutorial/#comment-100652)  
   Thank you for this great tutorial..It helped me lot…Moreover those who are interested in creating new apps for them its very useful.Thanks for sharing this great article…NIce job…Keep sharing..  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=100652#respond)

1. angeloJuly 26, 2012 at 1:30 am[#](http://coenraets.org/blog/androidtutorial/#comment-101668)  
   hi i just tried your application but when i click the button the application crashes am i missing something?i followed every step i am new to android could you please help  
   thanks  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=101668#respond)

1. [anil](http://www.rtechinsane.in/)August 1, 2012 at 2:30 pm[#](http://coenraets.org/blog/androidtutorial/#comment-105595)  
   nice tutorial,www.rtechinsane.in  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=105595#respond)

1. [anil](http://www.rtechinsane.in/)August 1, 2012 at 2:31 pm[#](http://coenraets.org/blog/androidtutorial/#comment-105596)  
   nice tutorial,  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=105596#respond)

1. toyuAugust 4, 2012 at 5:36 am[#](http://coenraets.org/blog/androidtutorial/#comment-106860)  
   Thank you.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=106860#respond)

1. leelaAugust 19, 2012 at 10:45 am[#](http://coenraets.org/blog/androidtutorial/#comment-113073)  
   send me source code….  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=113073#respond)

1. [Mike Pua](http://mikepua.blogspot.com/)August 22, 2012 at 7:33 pm[#](http://coenraets.org/blog/androidtutorial/#comment-114239)  
   Very useful tutorial specially that search thing :) Been searching for actual code with layout on search feature for the list contents..  
   Thanks.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=114239#respond)

1. [kalidas](http://yahoo.com/)October 2, 2012 at 10:45 am[#](http://coenraets.org/blog/androidtutorial/#comment-131316)  
   Great tutorials…  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=131316#respond)

1. [unknown](http://gmail.com/)October 5, 2012 at 3:46 pm[#](http://coenraets.org/blog/androidtutorial/#comment-133527)  
   where are the source codes?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=133527#respond)

1. PhilipOctober 27, 2012 at 12:15 am[#](http://coenraets.org/blog/androidtutorial/#comment-151530)  
   I foudn an article which was quite good and easy to follow and create a simple app… <http://www.vaidy.org/10/post/2012/10/basic-ui-tutorial.html>  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=151530#respond)

1. EugeNovember 2, 2012 at 10:35 am[#](http://coenraets.org/blog/androidtutorial/#comment-159968)  
   Hi  
   Thanks for this tutorial, it is most informative. There is one small thing though:  
   everything works fine up to step 5, when I make the changes to EmployeeDetails I get an error with EmployeeAction -  
   protected List actions;  
   gives the following error: “EmployeeAction cannot be resolved to a type”  
   this is repeated for every instance of EmployeeAction – ideas?  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=159968#respond)

1. RiteshNovember 16, 2012 at 11:53 pm[#](http://coenraets.org/blog/androidtutorial/#comment-179915)  
   how can i connect my database table which is located in c://wamp/www/project/ i.e in wamp server?? means i want to connect my tables to this project, in wat location i need to change the code… please help me  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=179915#respond)

1. tlamDecember 5, 2012 at 5:51 am[#](http://coenraets.org/blog/androidtutorial/#comment-209709)  
   Hello,  
   I followed the steps till #4, and the sample doesn’t work anymore. My ListView acts as if it is not clickable and performs no action. Also, “SimpleCursorAdapter” is deprecated, so what other class I should use?  
   Thanks.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=209709#respond)

1. surekhaDecember 13, 2012 at 5:42 am[#](http://coenraets.org/blog/androidtutorial/#comment-226719)  
   but i want how to built an android application if required coding  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=226719#respond)

1. MoksudulJanuary 12, 2013 at 6:53 am[#](http://coenraets.org/blog/androidtutorial/#comment-276374)  
   Any body have full project code of this application? please mail me at [sufal\_cse@yahoo.com](mailto:sufal_cse@yahoo.com) I will be very thankful to him/her.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=276374#respond)

1. swedenonlineJanuary 14, 2013 at 12:42 pm[#](http://coenraets.org/blog/androidtutorial/#comment-279643)  
   Simple and easy way to interact with database and different layouts :)  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=279643#respond)

1. VikasFebruary 25, 2013 at 8:34 pm[#](http://coenraets.org/blog/androidtutorial/#comment-338464)  
   Hello Sir,  
   I am getting an error in EmployeeList.java in onListItemClick() method. It says that the String cannot be converted into Cursor..  
   Error is ClassCastException..  
   Please help me.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=338464#respond)

1. [esta](http://www.esta-register.org/)March 4, 2013 at 10:14 am[#](http://coenraets.org/blog/androidtutorial/#comment-346178)  
   nice and cute tutorial. tnx for sharing  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=346178#respond)

1. [آیلتس](http://www.ieltsclass.ir/)March 4, 2013 at 10:22 am[#](http://coenraets.org/blog/androidtutorial/#comment-346185)  
   this tutorial is nice and useful for me.  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=346185#respond)

1. [Darline Herschel Emely Derrick Ester Ben Tonie Dino Teresa Rodrick Mitsue Randal Eusebia Stacey Lavonda Arthur Janise Brandon Kristan Jess Annmarie Wendell Allyn Derick Keila Curt Tammara Eldridge Bree Lenny Tona Luther Laurene Mariano Kitty Arturo Sarah](http://www.k1100rs.de/index.php5?title=Benutzer_Diskussion:ColleenGo) March 5, 2013 at 12:48 pm[#](http://coenraets.org/blog/androidtutorial/#comment-347705)  
   Wow, marvelous blog layout! How long have you been blogging for?  
   you make blogging look easy. The overall look of your website is wonderful,  
   let alone the content! Darline Herschel Emely Derrick Ester Ben Tonie Dino Teresa Rodrick Mitsue Randal Eusebia Stacey Lavonda Arthur Janise Brandon Kristan Jess  
   Annmarie Wendell Allyn Derick Keila Curt Tammara Eldridge Bree  
   Lenny Tona Luther Laurene Mariano Kitty Arturo Sarah Kennith Felecia Charley Rosie Donte Carmela Louis Norah Kip Melissa Johnathon Carma Gil Olivia Chauncey Fannie Oswaldo  
   Denisse Gus Sharon Domingo Glinda Lesley Minta Irving  
   Altagracia Dong Kathryne Markus Lori Alfredo Candie Steven Lara Hiram Tawna Dario Deeann Loren  
   Tracey Wesley Corey Miles Ja Garth Geri Carter Easter Harris Laurel Kent Moon Stephen Madonna Val Carleen Neal Liberty Jerold Lady Alejandro Billie Miles  
   [Reply](http://coenraets.org/blog/androidtutorial/?replytocom=347705#respond)

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