Android APP mgmt utility

## *(with sample screenshots)*

- **Shreyas Nagaraj**

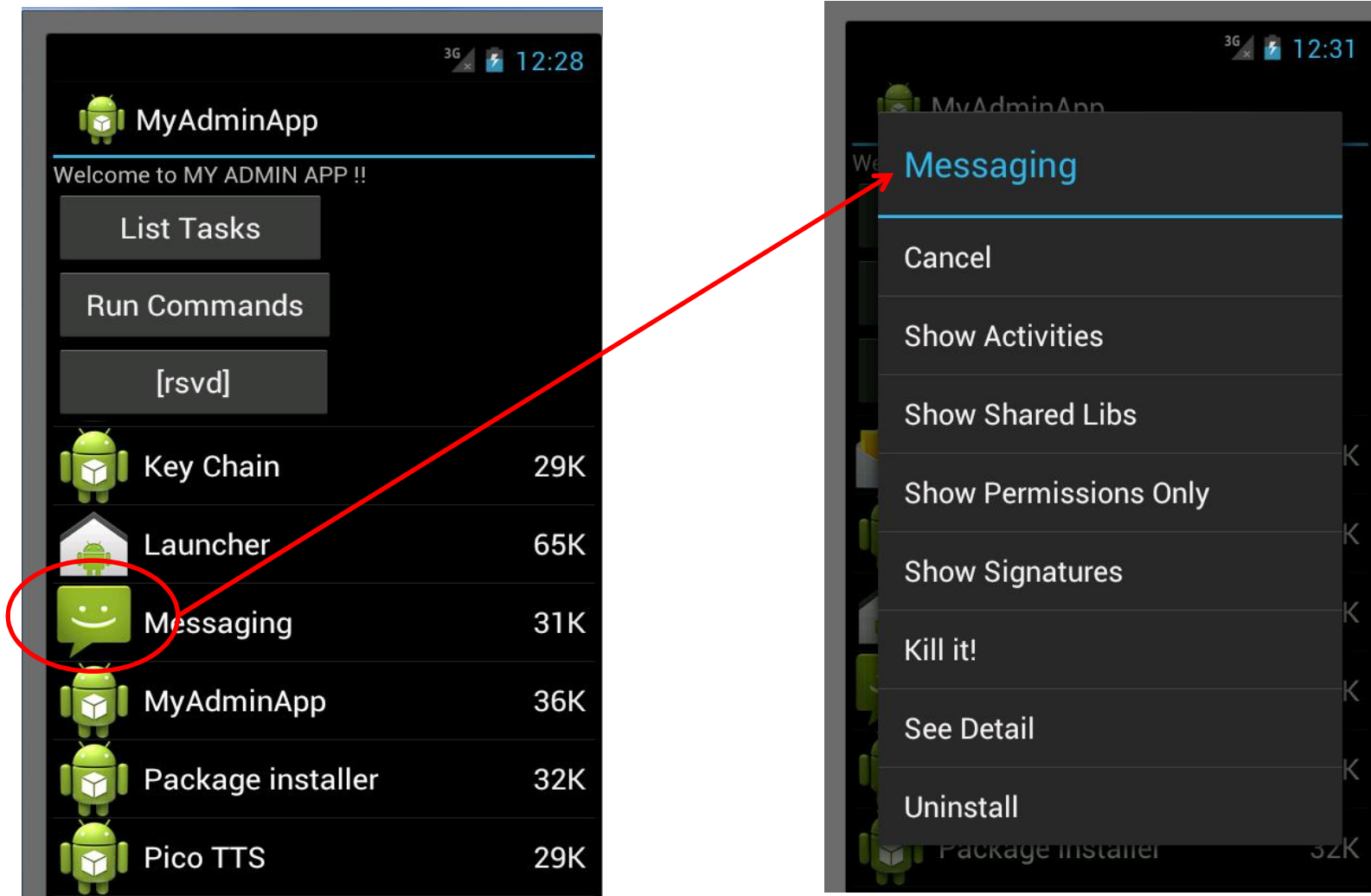# Android APP mgmt utility
- Capabilities

- List all the running applications (tasks, services)
- List all the following information of an App:
  - Display all the **Activities**
  - Display all the **Permissions**
  - Show all the **Shared Libraries** used by the app
  - Show all the **Signatures** associated with the app
  - Display all other details: **storage info, cache info, version**
  - **Kill/terminate/force close** the app
  - **Uninstall /delete package** app
- Running a few linux commands from the app
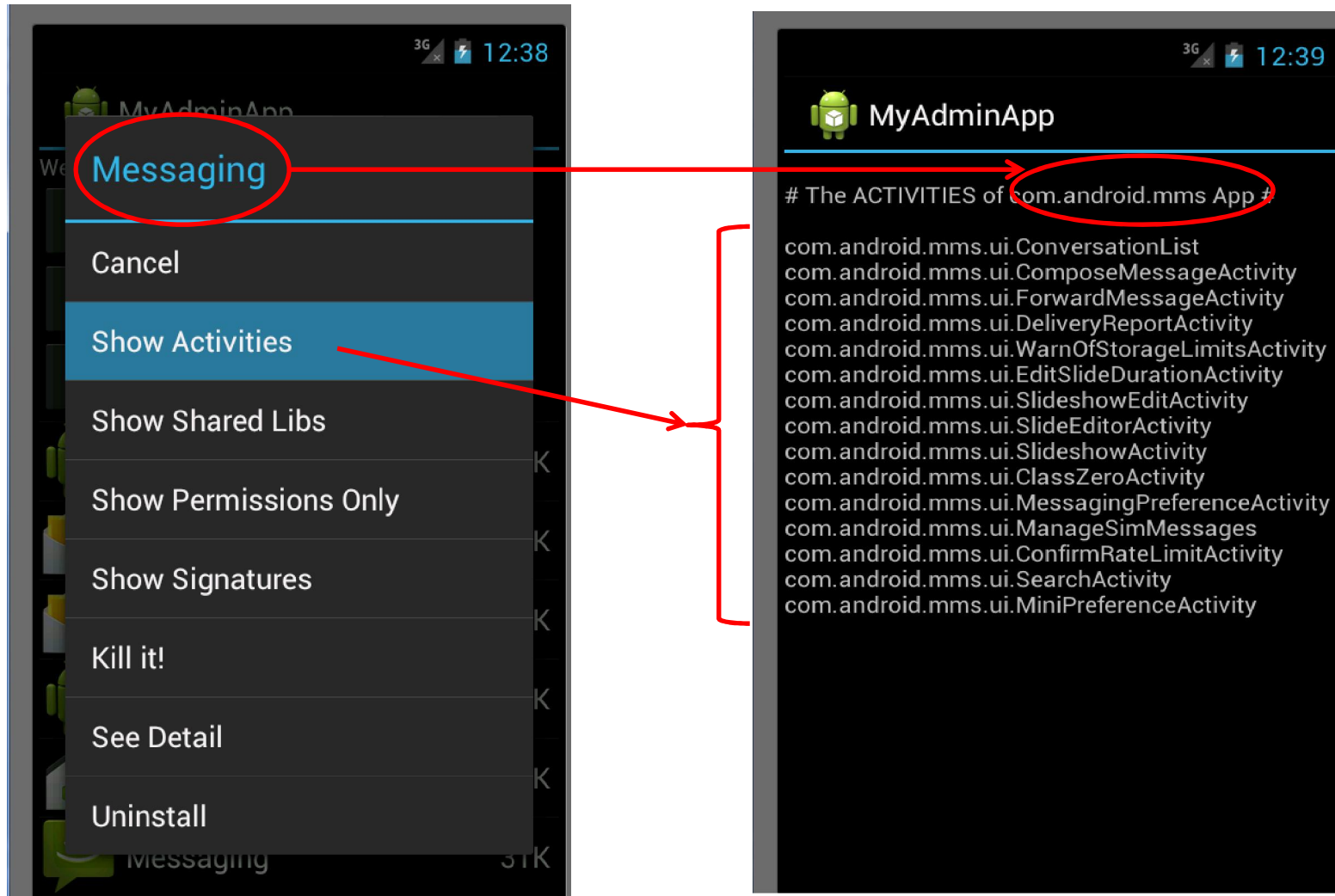- Other features to follow …. (to do)

App's Start Screen (Main Activity)

List of all the running applications (tasks, services)
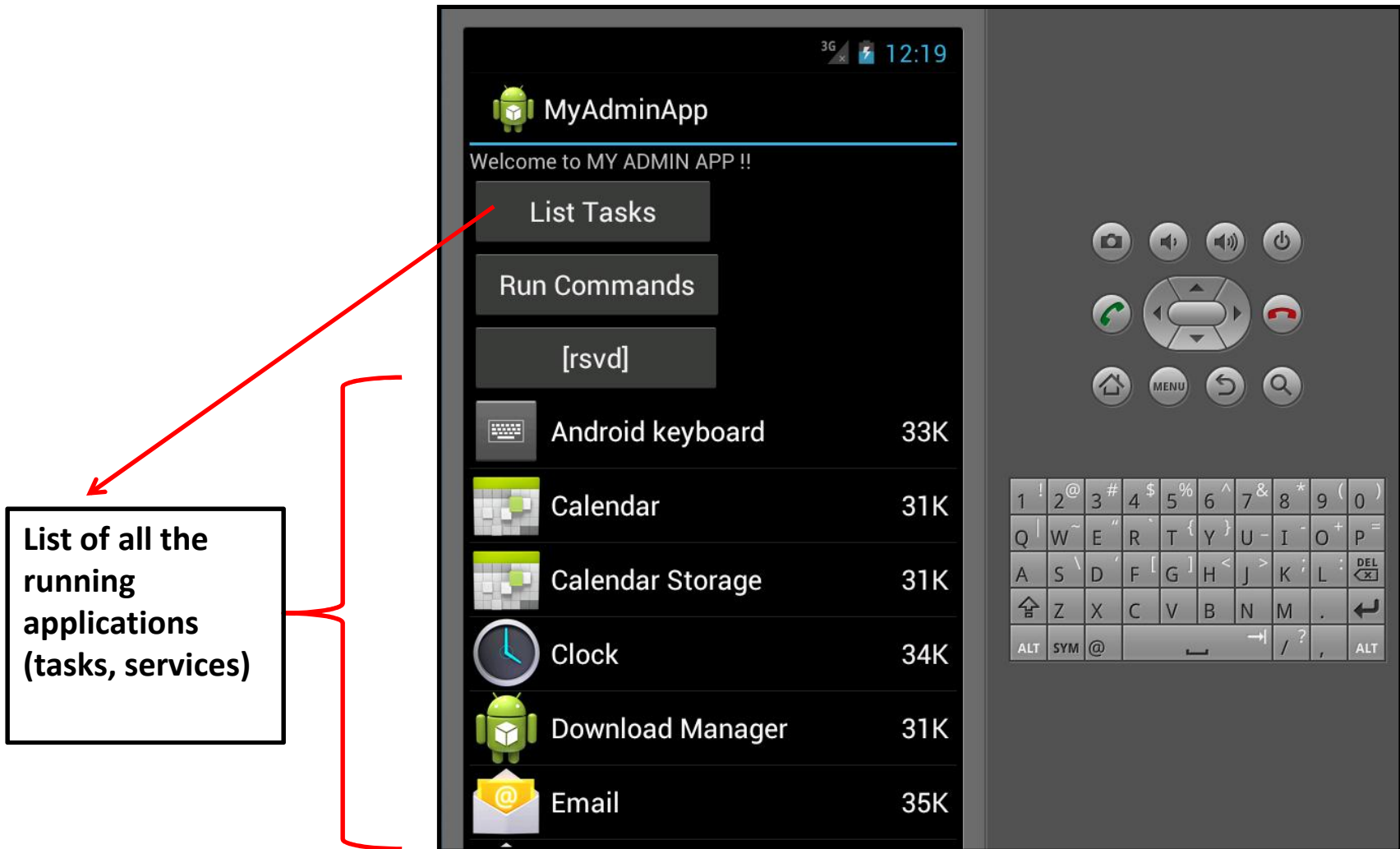
What details of an another running App can we get?

Messaging App picked in this case

Displaying all the Activities of an App

Messaging App picked in this case

Left screen (12:38):

MyAdminApp

Messaging

Cancel

Show Activities

Show Shared Libs

Show Permissions Only

Show Signatures

Kill it!

See Detail

Uninstall

Messaging

Right screen (12:39):

MyAdminApp

The ACTIVITIES of com.android.mms App

com.android.mms.ui.ConversationList
com.android.mms.ui.ComposeMessageActivity
com.android.mms.ui.ForwardMessageActivity
com.android.mms.ui.DeliveryReportActivity
com.android.mms.ui.WarnOfStorageLimitsActivity
com.android.mms.ui.EditSlideDurationActivity
com.android.mms.ui.SlideshowEditActivity
com.android.mms.ui.SlideEditorActivity
com.android.mms.ui.SlideshowActivity
com.android.mms.ui.ClassZeroActivity
com.android.mms.ui.MessagingPreferenceActivity
com.android.mms.ui.ManageSimMessages
com.android.mms.ui.ConfirmRateLimitActivity
com.android.mms.ui.SearchActivity
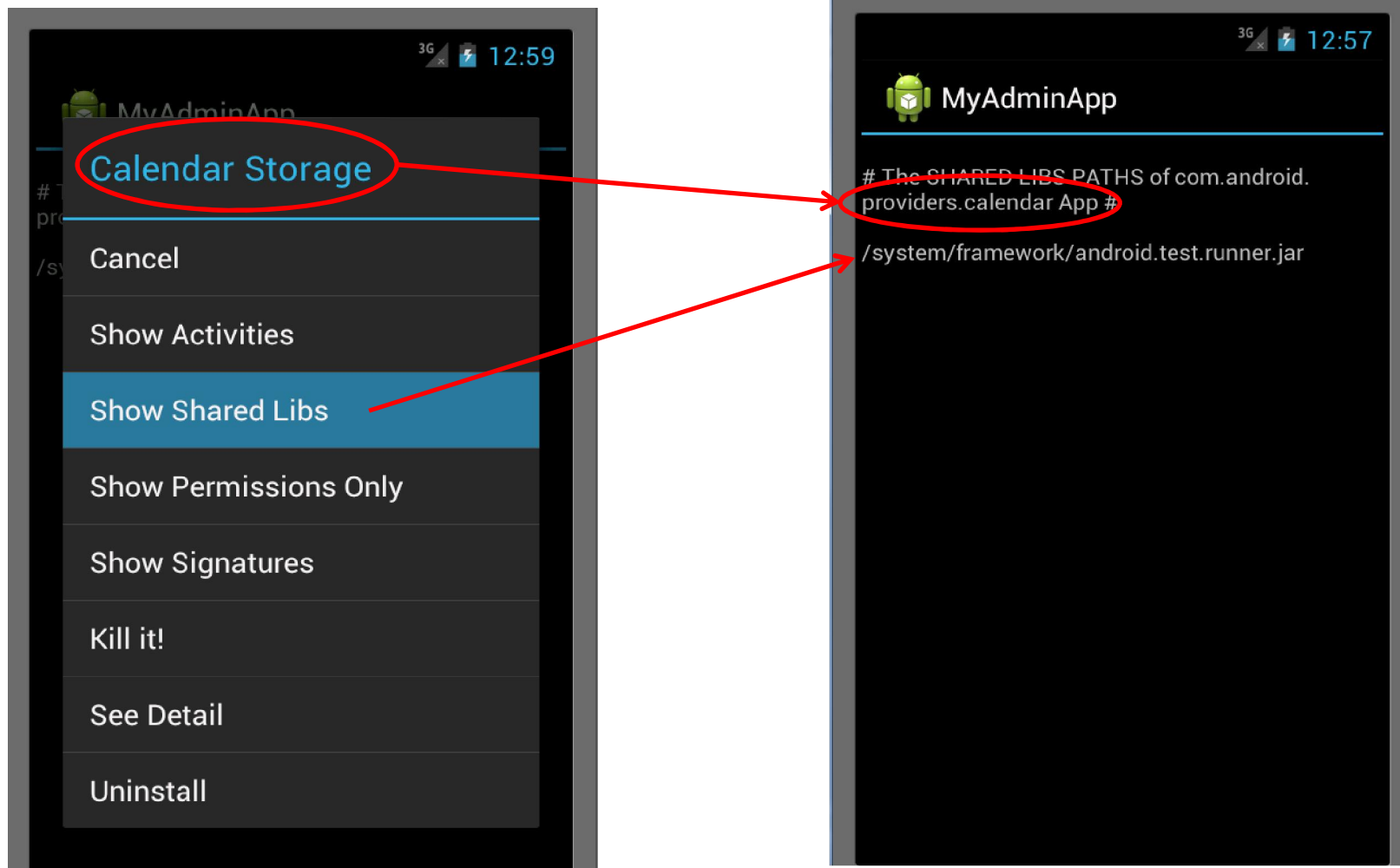com.android.mms.ui.MiniPreferenceActivity

Displaying all the Permissions of an App
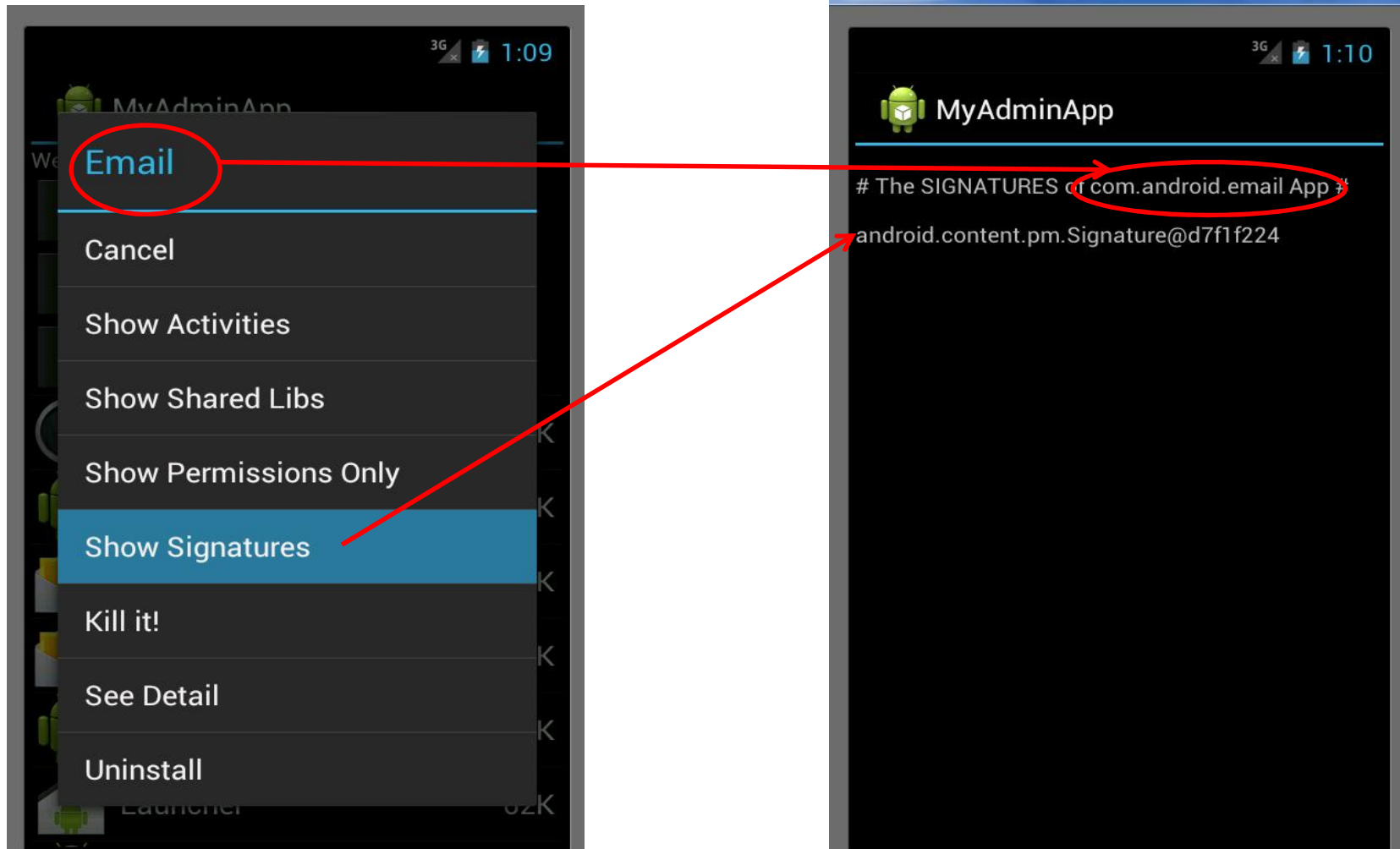
Email App picked in this case
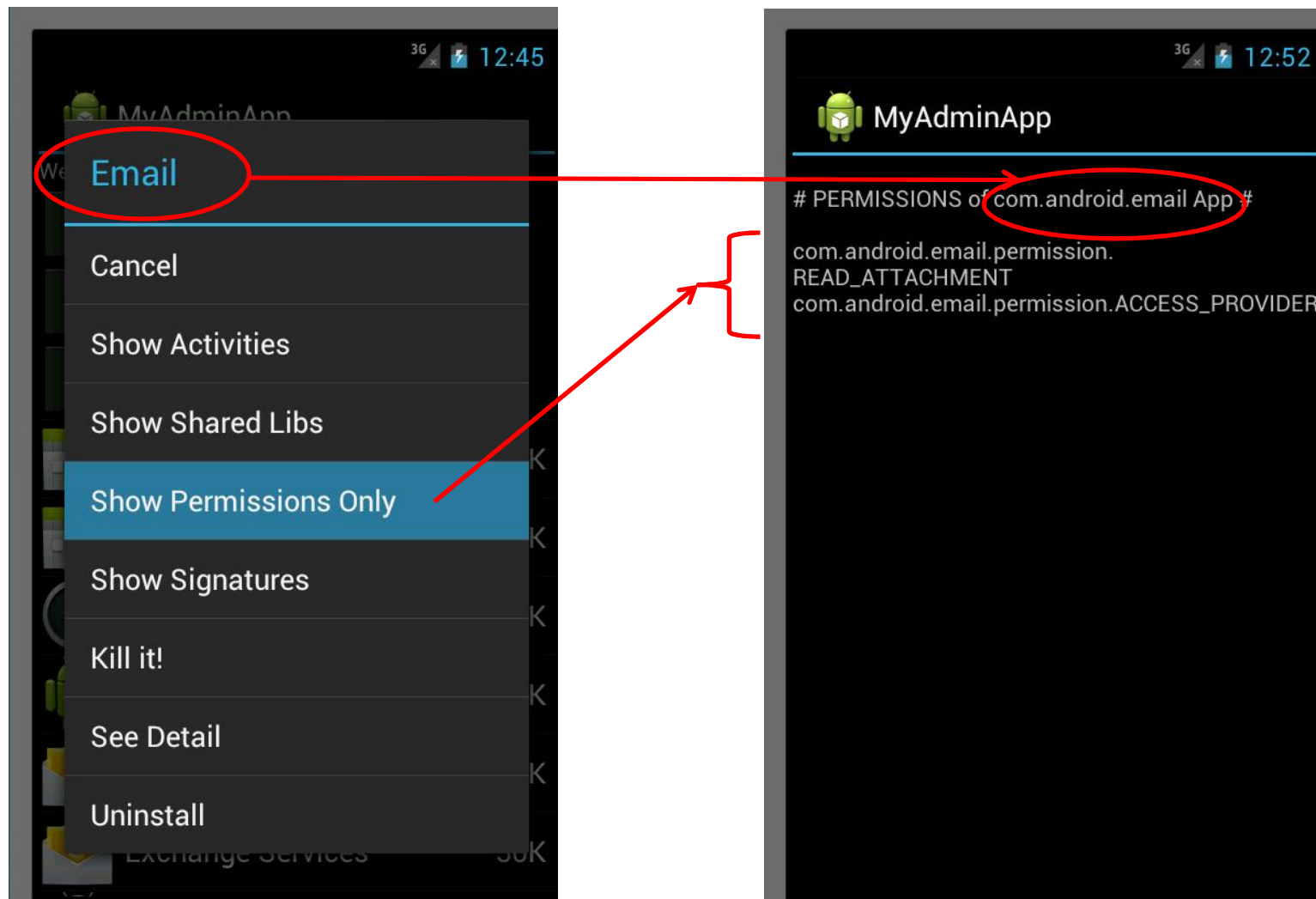
Displaying all the Shared Libs linked with an App

Calendar App picked in this case

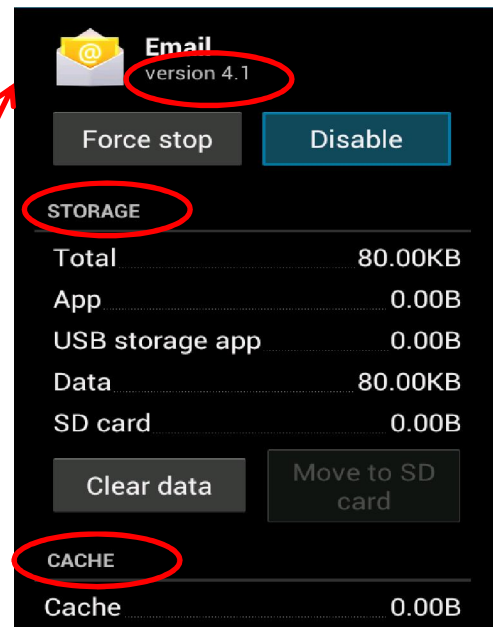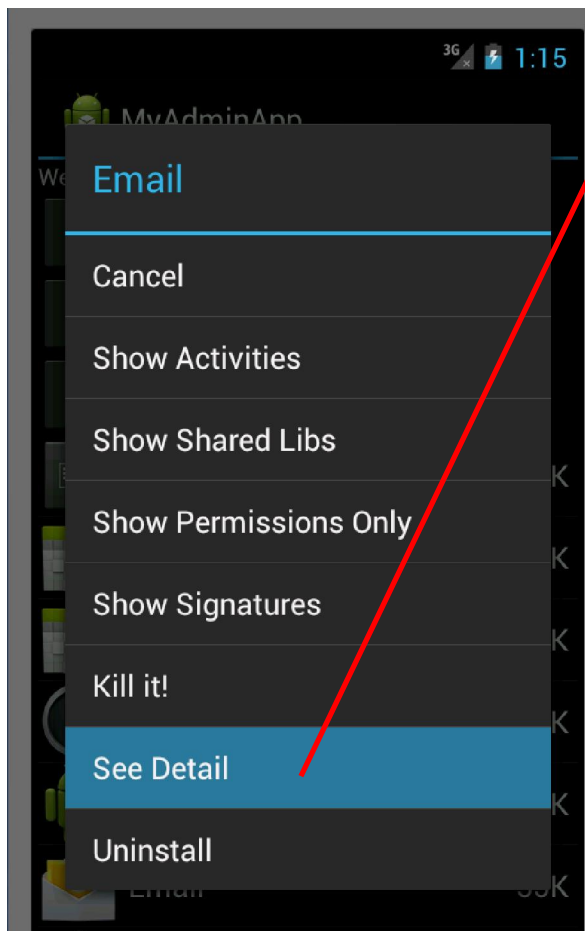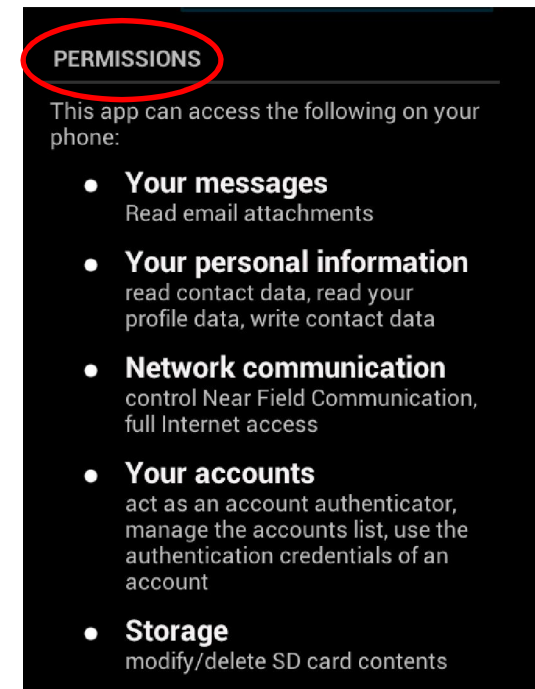# Displaying all the Signatures associated with an App

Email App picked in this case

Displaying all the other details of an App

Email

Cancel

Show Activities

Show Shared Libs

Show Permissions Only

Show Signatures

Kill it!

See Detail

Uninstall

Email
version 4.1

| Force stop | Disable |

STORAGE

Total	80.00KB
App	0.00B
USB storage app	0.00B
Data	80.00KB
SD card	0.00B

| Clear data | Move to SD card |

CACHE

| Cache | 0.00B |

(Scrolling down)

PERMISSIONS

This app can access the following on your phone:

- **Your messages**
  Read email attachments

- **Your personal information**
  read contact data, read your profile data, write contact data

- **Network communication**
  control Near Field Communication, full Internet access

- **Your accounts**
  act as an account authenticator, manage the accounts list, use the authentication credentials of an account
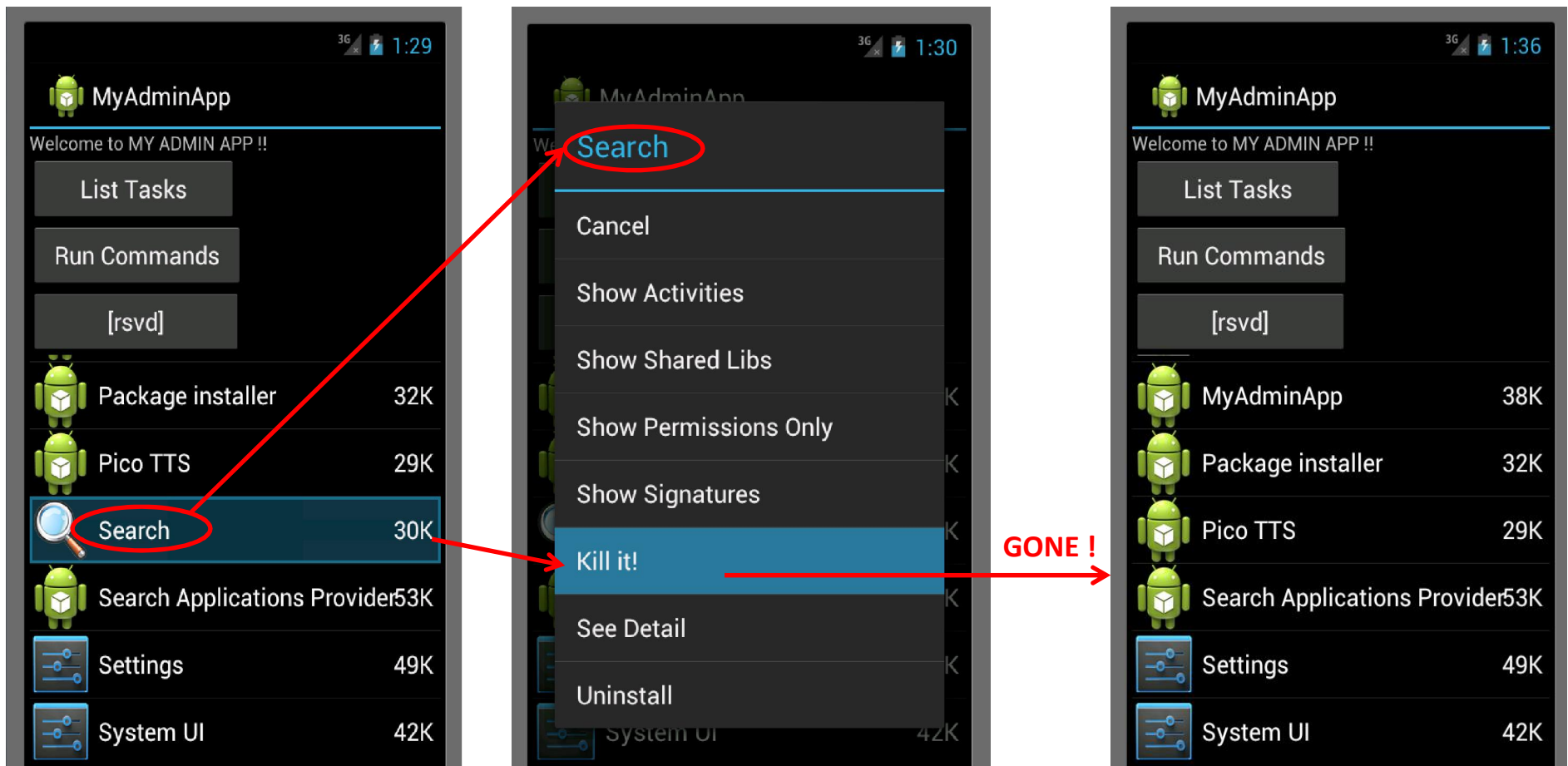
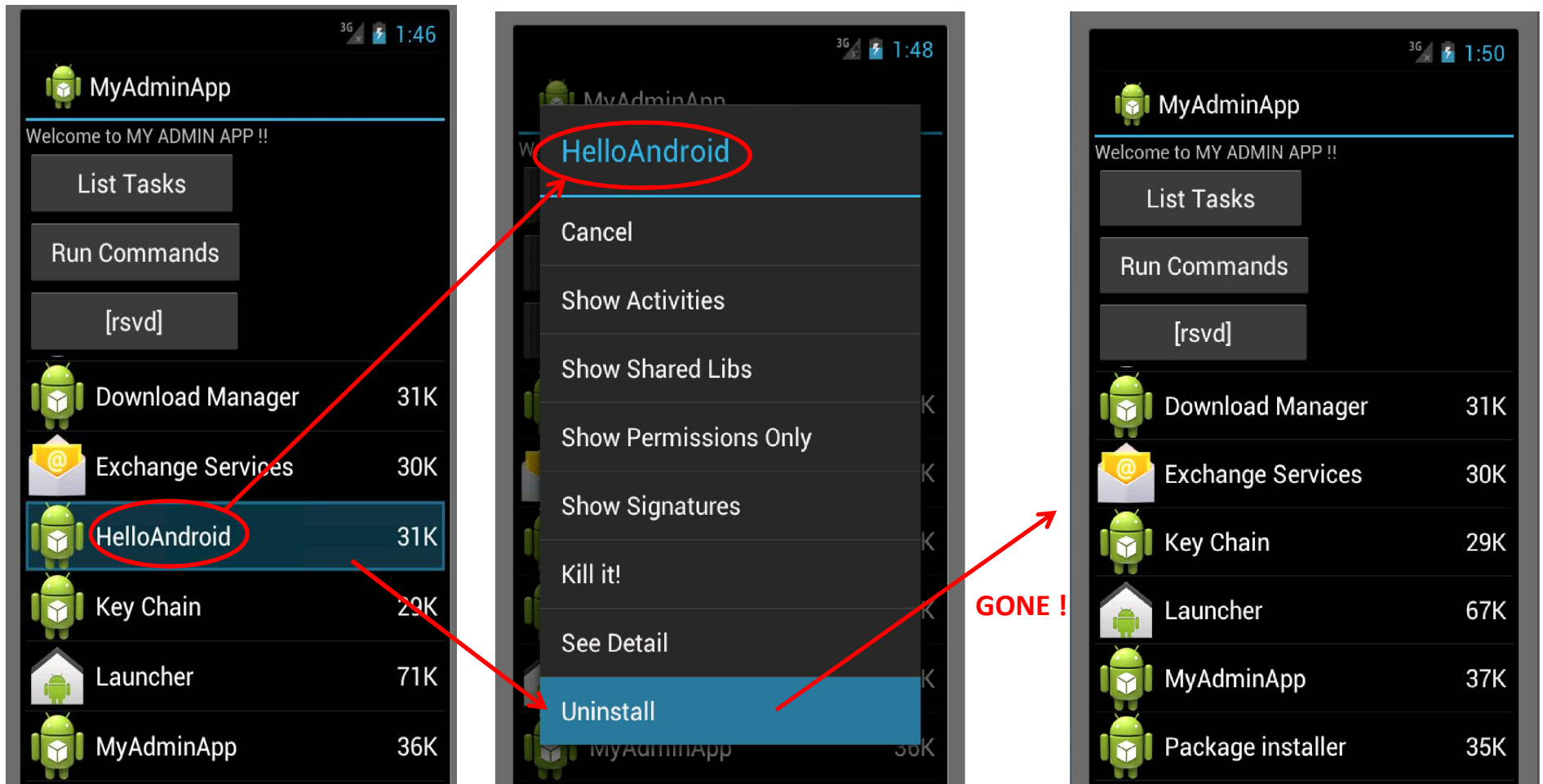- **Storage**
  modify/delete SD card contents

Killing an App
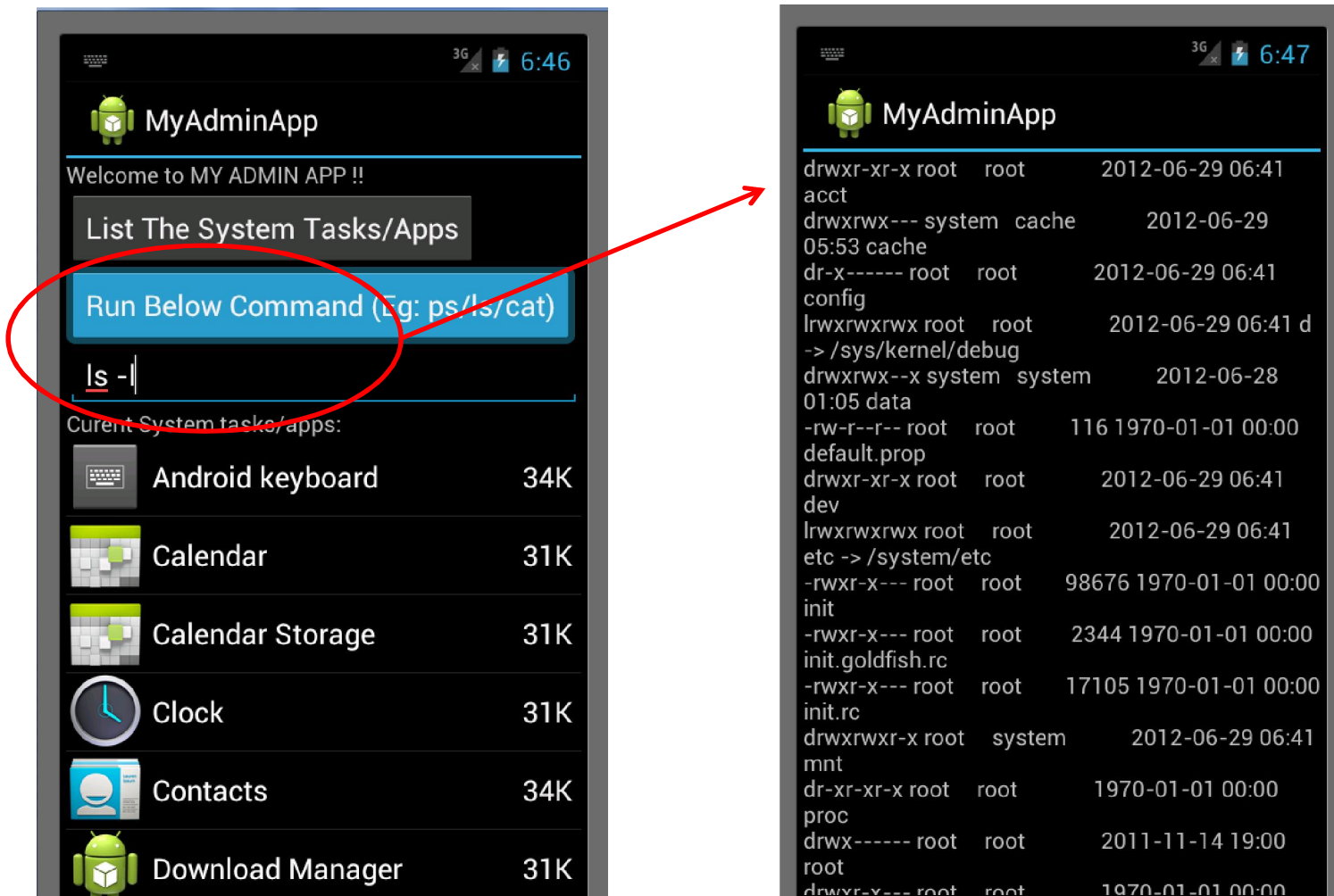
Search App picked in this case

Uninstalling an App
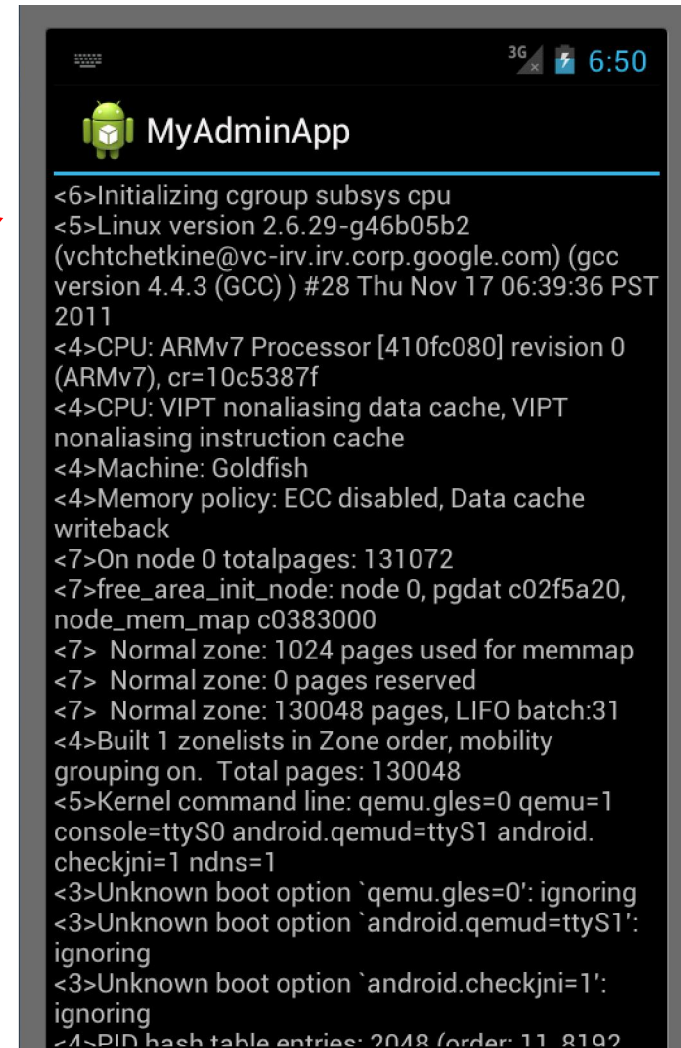
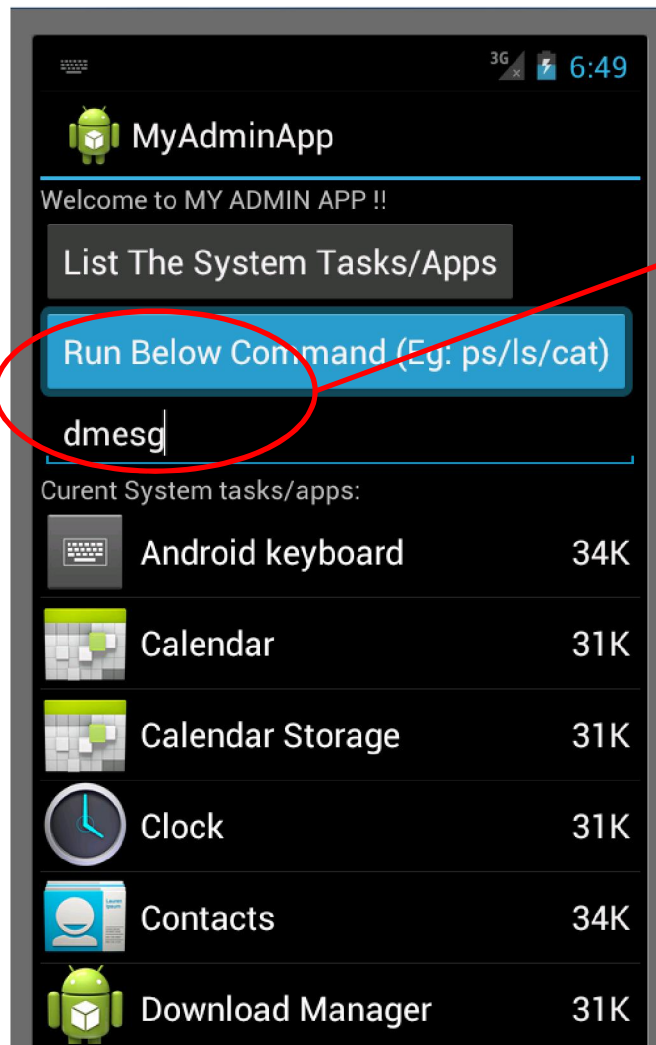**Hello World App picked** ☺

Running a few Linux Commands

Note: There are a few modifications done to the App's main UI activity at this stage

Running a few Linux Commands

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More features will be added to the Admin App shortly ……..

Permissions needed/used by the Admin App so far:
- *android.permission.RESTART_PACKAGES*
- *android.permission.GET_TASKS*
- *android.permission.GET_PACKAGE_SIZE*