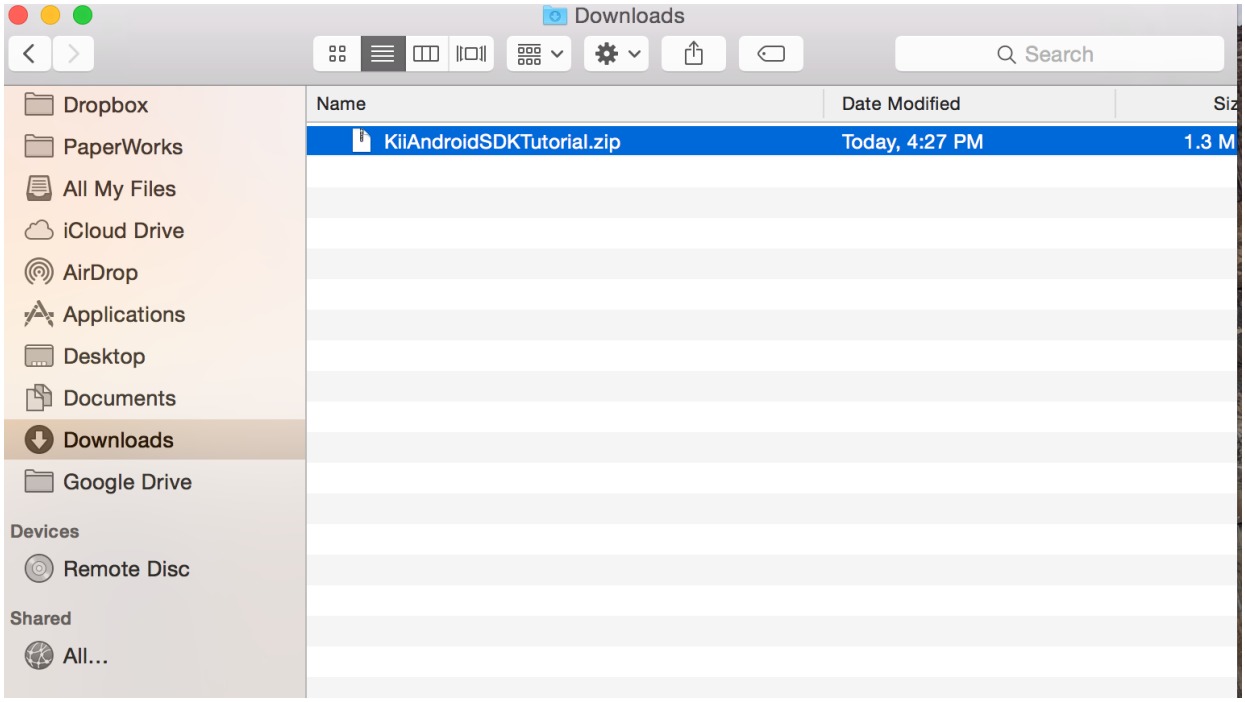
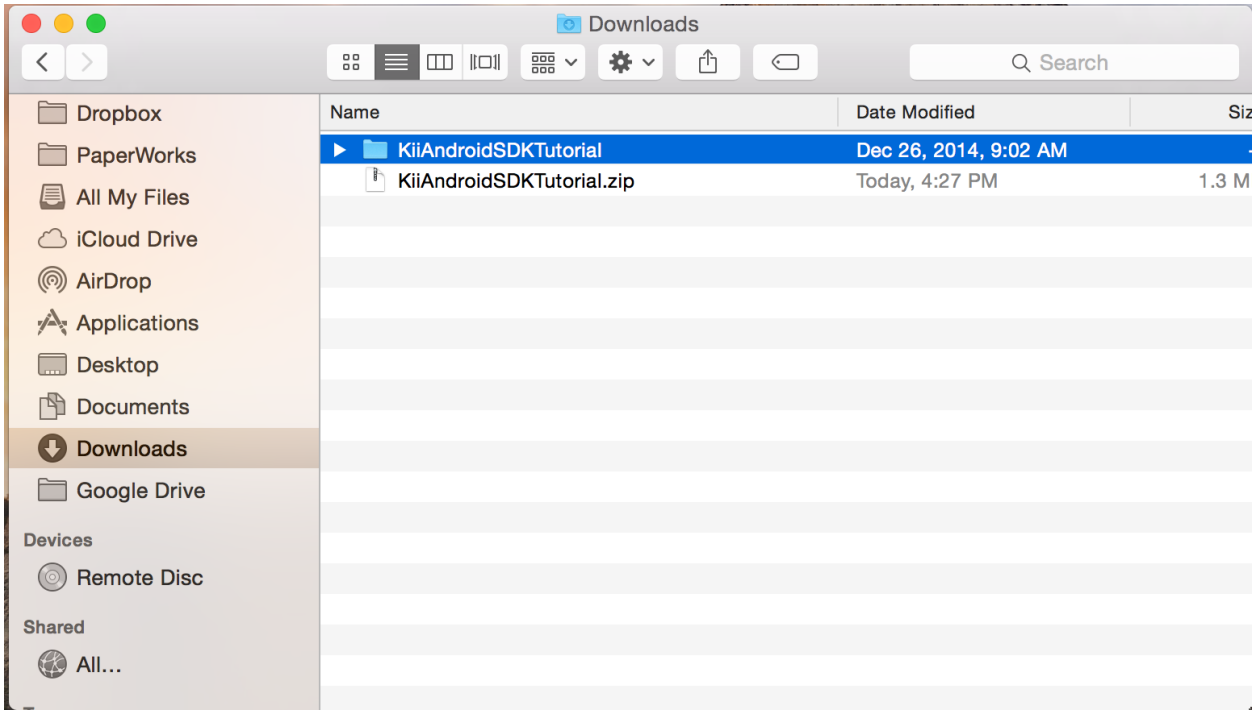
# Android Tutorial Guide Page - All Steps

## Start



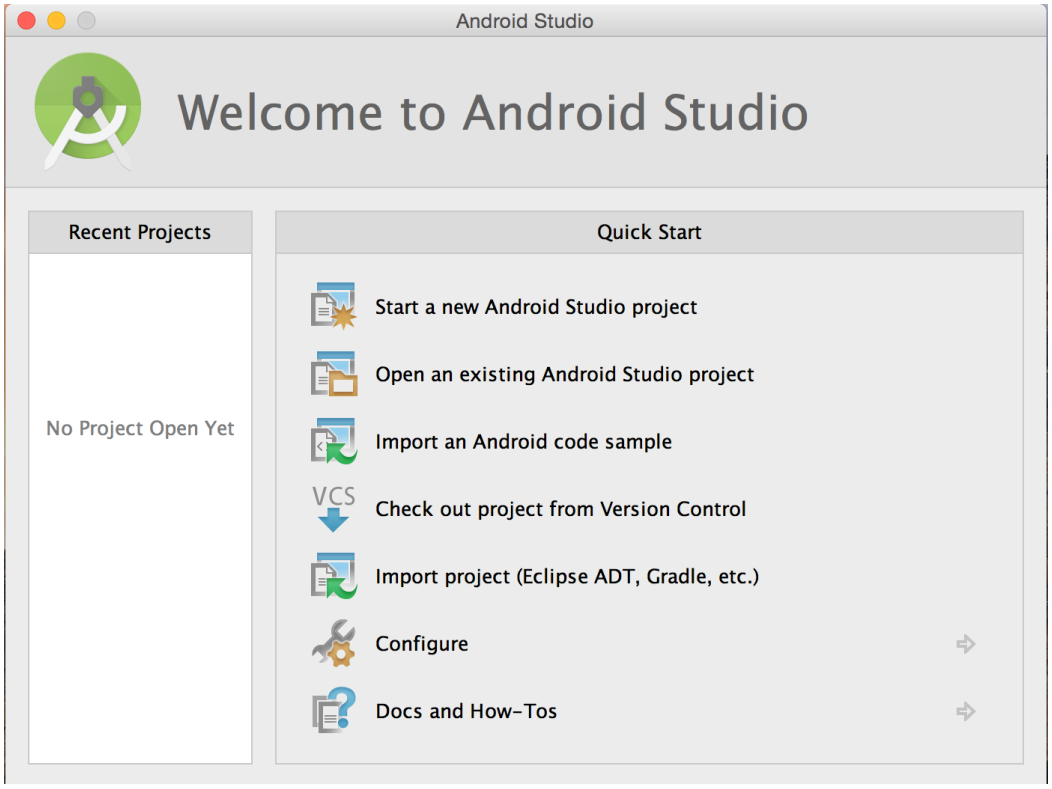

- **Download Tutorial**
    - (Android) - KiiAndroidSDKTutorial.zip

## Step 1




- **Unzip file**

## Step 2

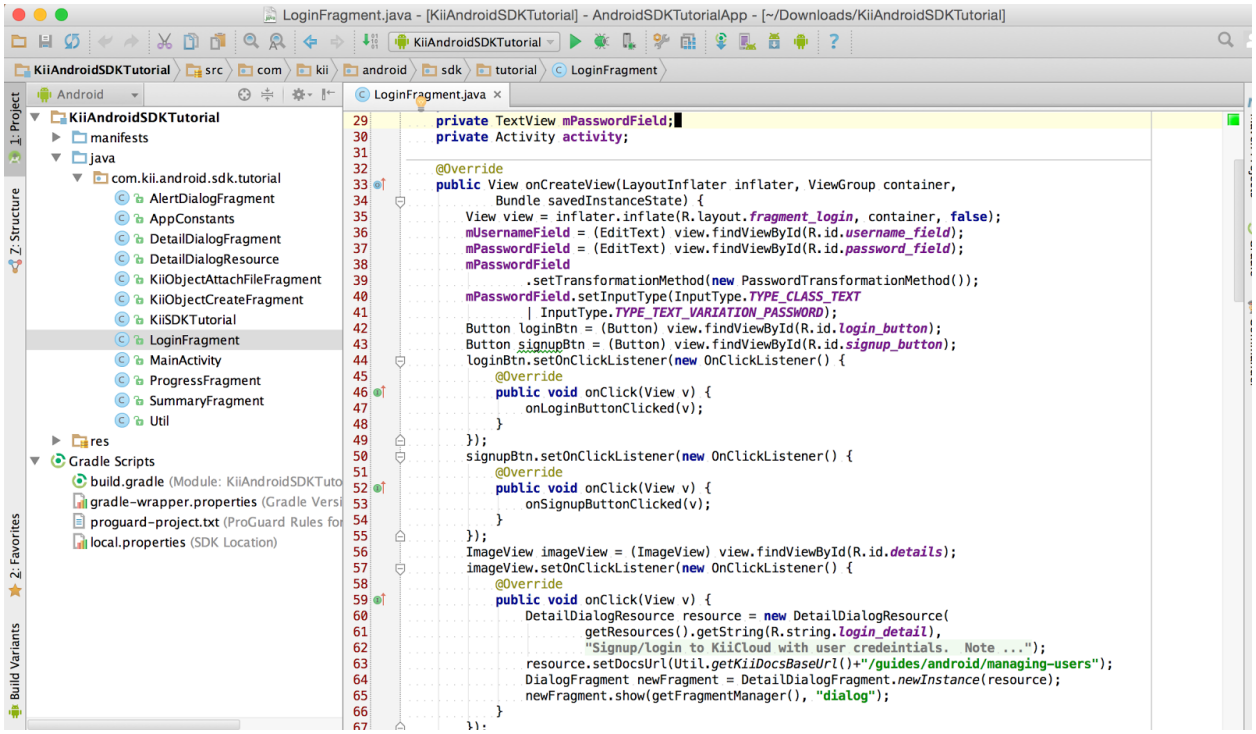



- **Open Android Studio**
  - If you don't already have Android Studio, go to download page of Android Studio. (http://developer.android.com/sdk/index.html)
- **Open the unzipped folder with Android Studio**
  - Click the button "Open an existing Android Studio project"
  - Choose the unzipped "KiiAndroidSDKTutorial" folder

## Step 3

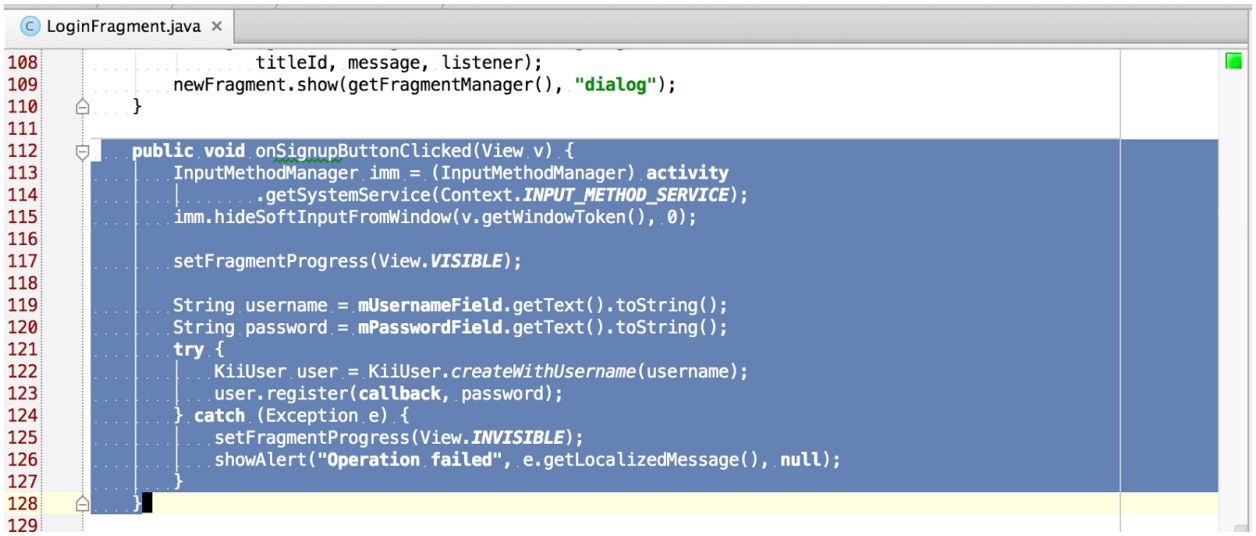

- **Run the project on the Android emulator or your Android device**
    - Input a username & password for either Sign Up or Log In and hit either button to start.
- **Follow instructions on the sample app:** to create users, objects, and upload file

## Step 4




- **Look at file LoginFragment.java for the code to create a user**

## Step 5

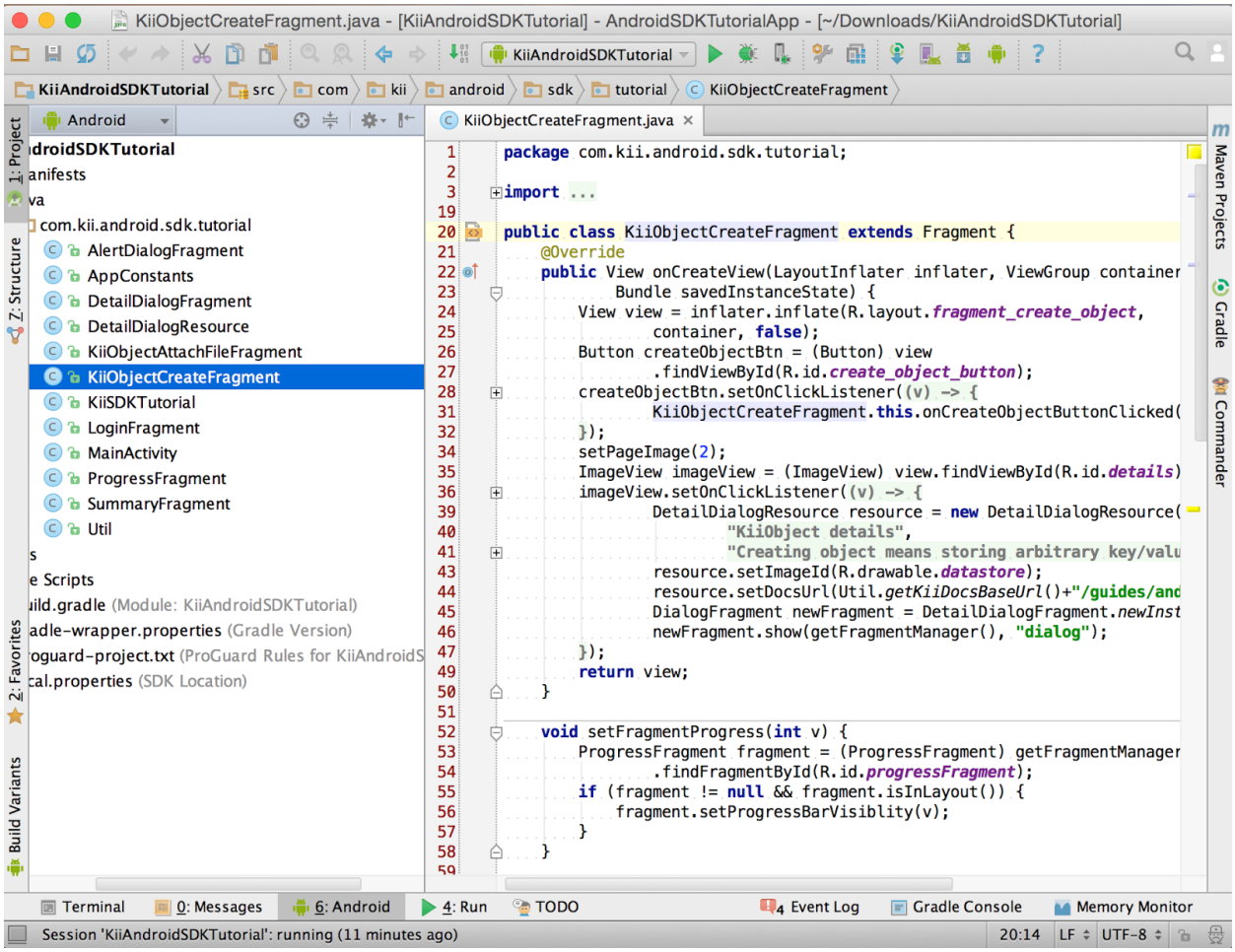



- **Code to register a user**

## Step 6


- **Hit button “Create KiiObject” in application, check dev portal(inside buckets - tutorial)**

# Step 7




- **Look at file KiiObjectCreateFragment.java for the code to create an object**

## Step 8

KiiObjectCreateFragment.java

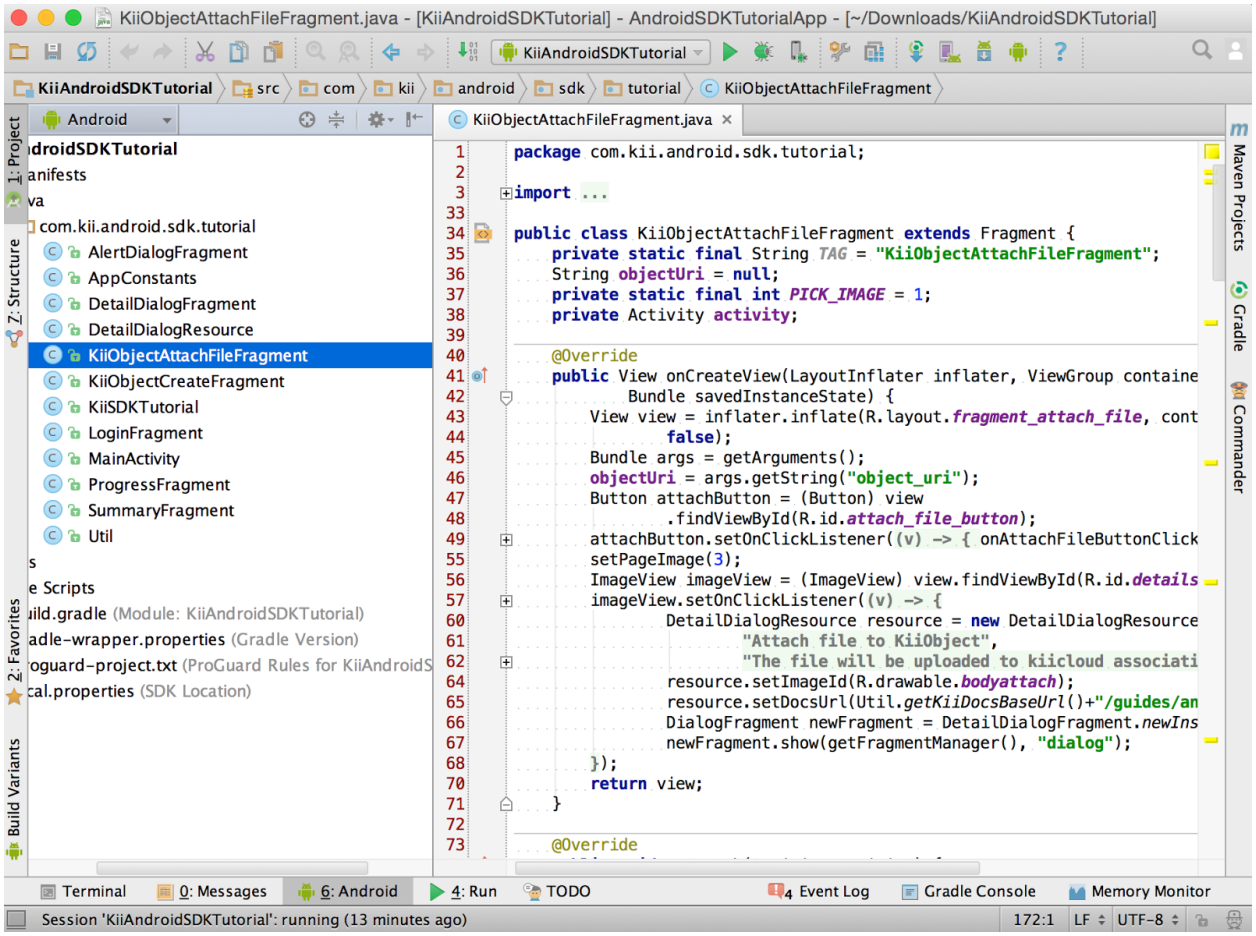
```
66      }
67
68      public void onCreateObjectButtonClicked(View v) {
69          setFragmentProgress(View.VISIBLE);
70          KiiBucket bucket = Kii.bucket(AppConstants.APP_BUCKET_NAME);
71          KiiObject object = bucket.object();
72          object.set("score", (int) (Math.random() * 100));
73          object.save((KiiObjectCallBack) onSaveCompleted(token, object, exception) -> {
78                  setFragmentProgress(View.INVISIBLE);
79                  if (exception == null) {
80                      final String uri = object.toUri().toString();
81                      AlertDialogFragment.AlertDialogListener listener = () -> {
84                              Bundle args = new Bundle();
85                              args.putString("object_uri", uri);
86                              Fragment fragment = new KiiObjectAttachFileFragment();
87                              fragment.setArguments(args);
88                              FragmentTransaction ft = getFragmentManager()
89                                      .beginTransaction();
90                              ft.replace(R.id.mainFragment, fragment);
91                              ft.addToBackStack(null);
92                              ft.commit();
93                      };
96                      DialogFragment newFragment = AlertDialogFragment
97                              .newInstance(
98                                      "Create object",
99                                      "Object creted successfully. \nNow lets attach a file to the objec
100                                     listener);
101                     newFragment.show(getFragmentManager(), "dialog");
102                 } else {
103                     if (exception instanceof CloudExecutionException)
104                         showAlert(Util
105                                 .generateAlertMessage((CloudExecutionException) exception));
106                     else
```

- **Code to create objects**

## Step 9


- **Hit button “Attach File” in application, check dev portal (data browser)**
  - you can download the uploaded image/jpeg file or open the file from browser by a generated publishing url of this data.

## Step 10




- **Look at file KiiObjectAttachFileFragment.java for the code to handle files**

## Step 11

KiiObjectAttachFileFragment.java

```
165                 }
166             }
167         }
168
169         private void uploadFile(String path) {
170             KiiObject object = KiiObject.createByUri(Uri.parse(objectUri));
171             File f = new File(path);
172             KiiUploader uploader = object.uploader(this.activity, f);
173             uploader.transferAsync(new KiiRTransferCallback() {
174
175                 @Override
176                 public void onStart(KiiRTransfer operator) { setFragmentProgress(View.VISIBLE); }
179
180                 @Override
181                 public void onTransferCompleted(KiiRTransfer operator, Exception e) {
182                     setFragmentProgress(View.INVISIBLE);
183                     if (e == null) {
184                         AlertDialogFragment.AlertDialogListener listener = () -> {
187                                 FragmentTransaction ft = getFragmentManager()
188                                         .beginTransaction();
189                                 ft.replace(R.id.mainFragment, new SummaryFragment());
190                                 ft.addToBackStack(null);
191                                 ft.commit();
192                         };
194                         DialogFragment newFragment = AlertDialogFragment
195                                 .newInstance(
196                                         "Attach file",
197                                         "File attached successfully!\nNow lets check what we have done!",
198                                         listener);
199                         newFragment.show(getFragmentManager(), "dialog");
200                     } else {
201                         Throwable cause = e.getCause();
202                         if (cause instanceof CloudExecutionException)
203                             showAlert(Util
```

- **Code to create and upload a file**

## End

Congratulations!
You have successfully completed the Android Tutorial and you are now ready to create your app.