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India Summer 2012 Review Session – Android and Web
Working with Views
Working with Views

Create a new Android project.
The app name should be “My Review App”.
Working with Views

Add a button to your starter activity which has the name “Alert Me!” as a string resource
Working with Views

Make the button you created show a Toast notification. When it is clicked it should say “Hello!” (“Hello!” should come from a string resource)
Working with Views

Add an EditText widget below the button with the placeholder text “Type some text” (from a string resource)

Add a TextView with the default text “0” ("0" should be a string resource)
The TextView should be to the right of the EditText
Working with Views

Change the button so that it divides 5 by the number in the EditText and saves the value in the TextView.

If the EditText value is not a number, the Toast should appear and say “Not a number”

If we find out that we are dividing by zero, the Toast should appear and say “Cannot divide by 0!” (Use an Exception to do this last bit)
Working with Views

Add a spinner and populate it with the string values from 1 to 10.

Populate it using an Adapter when the activity starts.
Change the button so that it divides the number in the spinner rather than 5.
Break!
Navigation
Navigation

Add an item to the main activity’s menu that says “List” (“List” should come from a string resource)

Make it work in an Action Bar.
Navigation

Make the “List” menu item give a Toast notification that says “List” when it is clicked.
(This can use the same string resource)
Create a new activity named “ListActivity”.

Add a ListView to it.
Change the “List” menu item so that it starts the ListActivity.
Navigation

Populate the ListView with the same numbers 1 through 10 that we used with the spinner.
Navigation

Make the ListView give a Toast notification containing the number clicked when a row in the ListView is clicked.
Break!
Accessing the Web
Accessing the Web

Open an HttpURLConnection to
<http://pipian.com/ip.php>
Accessing the Web

Read in characters from the connection.
Write them to a StringBuffer.

Close the connection.
Accessing the Web

Convert the StringBuffer to a String and print it.