

Concurrency with AsyncTasksLab Manipulation N°1

- Complete the following Activity to display progress of an AsyncTask's instance background processing. Steps to fulfill the lab are given in comments.

```
public class AsyncTaskProgressActivity extends Activity {  
    // UI Components and variables declarations: a button, a TextView, etc.  
    @Override  
    public void onCreate(Bundle savedInstanceState) {  
        .....  
        final Button button = (Button) findViewById(R.id.loadButton);  
        button.setOnClickListener(new OnClickListener() {  
            public void onClick(View v) {  
  
                // Run the AsyncTask instance to Load and display an image  
  
            }  
        });  
        final Button otherButton = (Button) findViewById(R.id.otherButton);  
        otherButton.setOnClickListener(new OnClickListener() {  
            @Override  
            public void onClick(View v) {  
                // Display a toast with a text to show this button is running  
                // concurrently with the other one  
            }  
        });  
    }  
    class ImageLoaderTask extends AsyncTask</*params*/, /*progress*/, /*result*/> {  
        @Override  
        protected void onPreExecute() {  
            // Set the progress bar so it is ready to display, on UI, progress of  
            // the background Task  
        }  
        @Override  
        protected /*???*/ doInBackground(/*???*/) {  
  
            // Publish task progress to send for display on the UI  
  
        }  
        @Override  
        protected void onProgressUpdate(/*???*/) {  
  
            // Display progress received from background task  
  
        }  
        @Override  
        protected void onPostExecute(/*???*/) {  
            .....  
            .....  
        }  
    }  
}
```