**Async Task**

An asynchronous task is defined by a computation that runs on a background thread and whose result is published on the UI thread.

**Key Points:**

-Easy interaction with the UI

-Ideally be used for short operations

-Defined by 3 generic types: Params, Progress, Result

-Defined by 4 steps: onPreExecute, doInBackground, onProgressUpdate, onPostExecute

**RxJava**

It is a library for composing asynchronous and event-based programs by using observable sequences.

**Key Points:**

-For implementing the Observable pattern: the observable maintains a list of its dependents, called observers, and notifies them automatically of any state changes.