

Questions and answers

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1. What are the advantages of the ViewHolder paradigm for ListViews? What are the disadvantages?
 - Using the viewHolder pattern we can store the views references in order to avoid constant callings to findViewById(), which will prevent performance issues.
 - However using this pattern will not prevent for making the adapter class that uses it easier, it can complicate the code and make the adapter less readable. But for that purpose we can use ButterKnife framework to simplified the code.

2. As succinctly as possible, explain why Fragments are so useful when programming the UI of an Android app?
 - As a lightweight component a fragment can be reusable in multiple activities, but also use several fragments attached to one activity, this will allow us to create multi-pane UI. Also we can manage the back stack and make transactions for showing or hiding fragments.

3. When are Fragments overkill?
 - When using ViewPager along with FragmentPagerAdapter, each page is represented as a fragment, so having a lot of pages (so many fragments) will represent memory issues, because they are kept in memory. We can use FragmentStatePagerAdapter instead for that matter.