



## P07 Android III

1

Make your Stock App dynamic by reading one stock price and volume using the Alphavantage server (or another server that offers stock prices). The URL is:

```
https://www.alphavantage.co/query?function=GLOBAL_QUOTE&symbol=IBM&apikey=<your_api_key>
```

You need to register on Alphavantage first:

<https://www.alphavantage.co/support/#api-key>

Hint:

- Use a library like GSON or Volley for the call and JSON parsing.
- The Alphavantage server only returns one price at a time. The free API is restricted to 5 calls per minute. Therefore, call the Server only for one stock (ie. the topmost).
- The Alphavantage server uses spaces in names and always returns Strings! Use `@Json(name=` to specify the name with spaces, ie:  

```
class StockKlaxonBase(@Json(name = "Global Quote") val  
globalQuote : StockKlaxon)
```