

Exercise M01 | Intro to Mobile Development

**Random Fact or Quote Application**

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**Knowledge Needed:** (a) Java Programming; (b) Mini Intro to Android Studio (Java)

**Preliminaries:**

- ☐ Android Studio
- ☐ AVD (virtualized mobile device) or physical phone
  - For physical phones check if available cable transfer data
  - Enable USB debugging on your phone (search online for your model)
  - Find and select your device in the Device Manager

**Purpose:** Create a simple mobile application with an intermediate backend using Java.

**Output(s):**

- Fully working app (emulated or physical device) – all project files to be uploaded to GitHub
- Demonstration
- Proper README file.

**Required Content**

Using Android Studio and Java as programming language, you are tasked to develop a random fact or quote app, wherein upon tapping a button, the initial text on the screen is changed. Edit the README file and add documentation in your code (15 pts deduction)

**A. Specific Requirements**

- Ten (10) unique quotes or facts randomly display on a button click.
- Intermediate to advanced Java implementation in the backend (i.e., modularity, OOP concepts, etc.)

**B. Example Screen(s)**

Design and layout vary according to your personal choice. **BONUS: Once all 10 facts or quotes are done, the button is disabled** (change color or unclickable).

