Clean Code Cheat sheet for Android studio.

1. ## Project structure :

   - app/manifests/AndroidManifest.xml – Our app starts with the "main" method we declare here.
   - app/java – for java files which is the activity which corresponds to one screen in our app.
   - app/res – for xml files to design and we also edit anytime.
     - I. res/drawable - static images
     - II. res/layout - layout files
     - III. res/menu - menu layout files
     - IV. res/values - strings.xml

2. ## Activity Methods

   - onCreate – when an activity is created.
   - setContentView – called to inflate a layout and put in on the screen.
   - onDestroy – called foe shutting down the activity.
   - onStart – called when the activity is first launched.
   - onRestart - called when the activity is stopped and is now restarting.
   - onStop - called when the activity is about to be stopped.
   - onPause - called when the user is taken away from your activity.
   - onResume - called just before your activity comes to the foreground and being restarted from the stopped state.

3. ## Types of layout

   - ConstraintLayout
   - LinearLayout
   - RelativeLayout
   - FrameLayout
   - RecyclerView
   - ListView
   - GridView

4. Consistent naming conventions

- Classes: uppercase
- Variables: lowercase
- Methods: lowercase and starting with verb
- CamelCase

5. Testing the code

- Unit Tests
- Integration Tests
- Regression Tests

6. Documentation

- Using comments

7. Clean code tools

- SonarQube