



NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES (FAST-NUCES)

ASSIGNMENT-01

by

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Software for Mobile Devices
CS4039

ASSIGNMENT-02

Course:- Software for Mobile Devices

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TASK-01

Differentiate between TABLELAYOUT and GRID LAYOUT in few lines below

With the TableLayout , rows and columns are added dynamically as you build the table.

With the GridLayout , row and column sizes are defined in the layout definition.

Table layout is useful if someone have low amount of data to display because every row of table layout will have to be instantiated and it won't be recycled. Grid Layout : A GridView is basically like a ListView, whose items are arranged in a strict grid

TASK-02

What are coroutines in Kotlin? Explain it via example and give at-least one of its use-case.

A coroutine is a concurrency design pattern that you can use on Android to simplify code that executes asynchronously.

USE CASES:

- 1. Perform single network request.*
- 2. Perform two sequential network requests.*
- 3. Perform several network requests concurrently.*
- 4. Perform variable amount of network requests.*

TASK-03

Build Simple 8 Digit Calculator APP

<https://github.com/IbrahimAliAsghar10/simple-calculator>

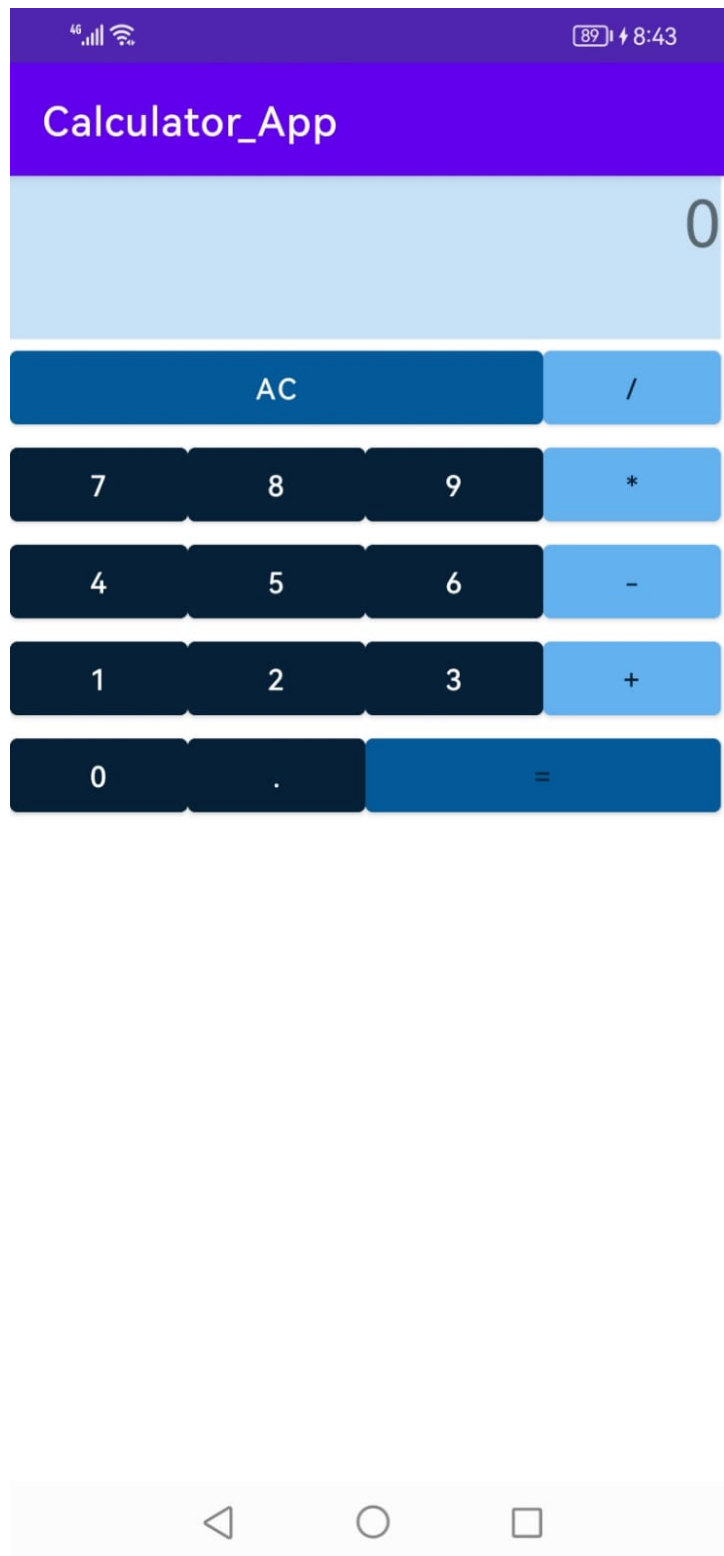


Figure 1: design of simple 10-digit calculator