Assignment-7-Quiz App

Lesson 10

This assignment is a kind of small application for taking Quiz. So that, you will be working on this app development from Week 11 to Week 14. Must bring out the proper outcome.
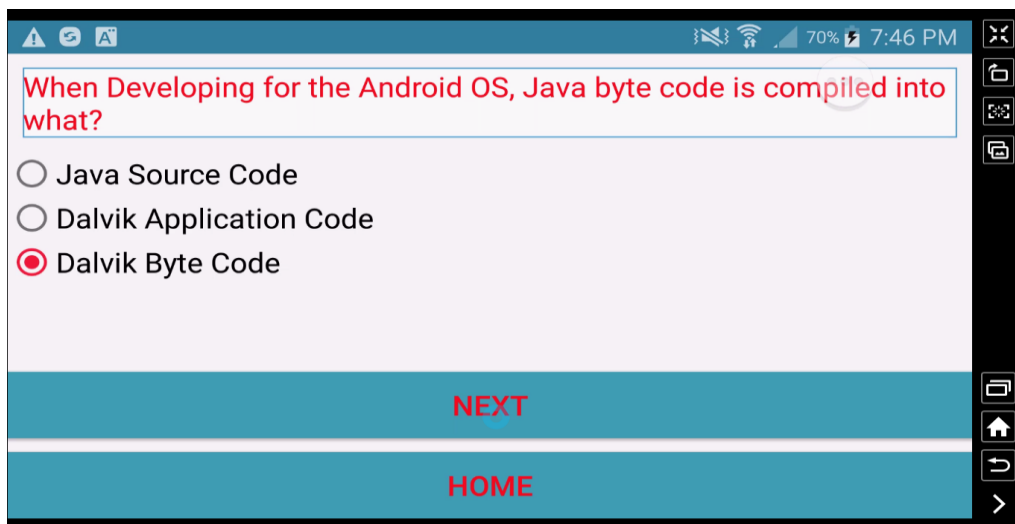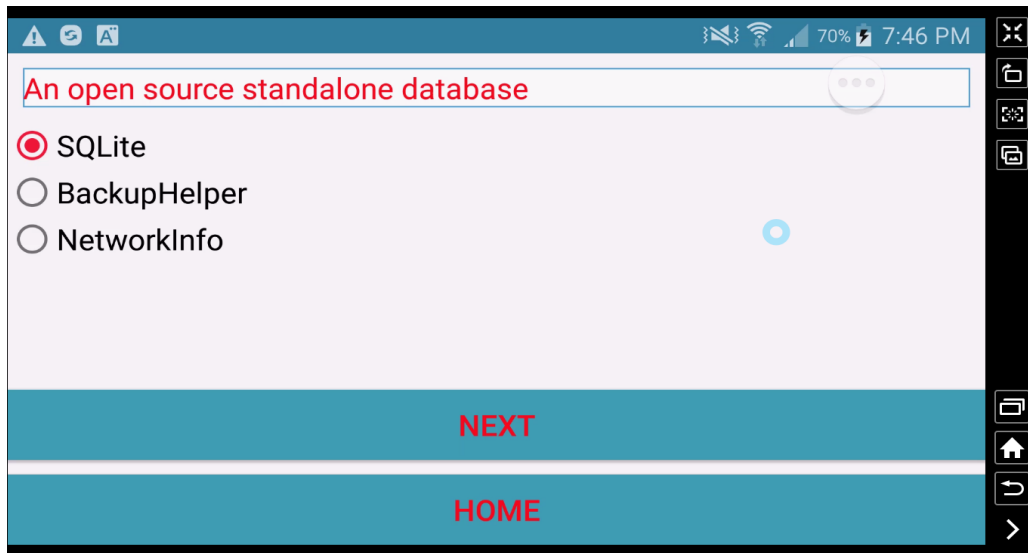
Problem 1: Quiz App.

- Design an attractive android quiz app to test the Android Technical skill.
- You could make use of the knowledge gained from Lesson-10-Android Jetpack ViewModel, LiveData, Room DB and Navigation Component.

Sample Project Idea

Here in the one sample idea from my side is provided to you. Applying UI design is up to your creativity.

Perform the following:

1. Create a Welcome screen/Home Screen describes about your Quiz app with the Start Quiz button. If you wish you can make Animated Splash screen or onboard screens.
2. Use Room DB for Data persistence and store at least 15 Questions with its answer.
3. User will take 15 MCQs, Clicking Next to continue the Quiz, skip by clicking, Home button to take into the Welcome screen. Here I produced two sample questions to know the UI design for showing questions.

4. After talking 15 Questions, automatically show the screen as mentioned below with the score taken by the user. Communicate your database to validate the answers.
   Click TRY AGAIN to retake take the Quiz will start from Q.no1 to 15.

5. User can click RESULT ANALYSIS to check the correct and wrong answers for all the 15 Questions. See the screenshot below.

1. If permissions are missing the application will get this at runtime
Your Ans: Security Exception
Correct Ans:Security Exception

2. An open source standalone database
Your Ans: SQLite
Correct Ans:SQLite

3. Sharing of data in Android is done via?
Your Ans: Service Content Provider
Correct Ans:Service Content Provider

4. Main class through which your application can access location services on Android

12. Android sizes fonts of mobile using _____unit of measurement
Your Ans: SP
Correct Ans:SP

13. Which one is not a nickname of Android
Your Ans: cupcake
Correct Ans:Muffin

14. What does the .apk stands for?
Your Ans: Application Package
Correct Ans:Application Package

15. What was the first phone released that ran the Android OS