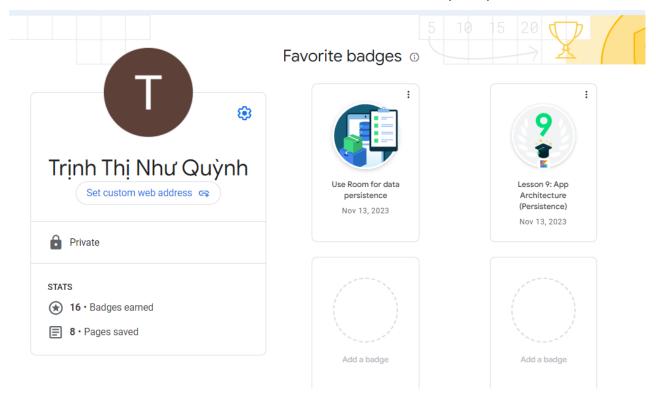
Name: Trịnh Thị Như Quỳnh ID: ITITIU20291

MOBILE APPLICATION DEVELOPMENT (Lab 6)



Link github:

-> Persist Data with Room:

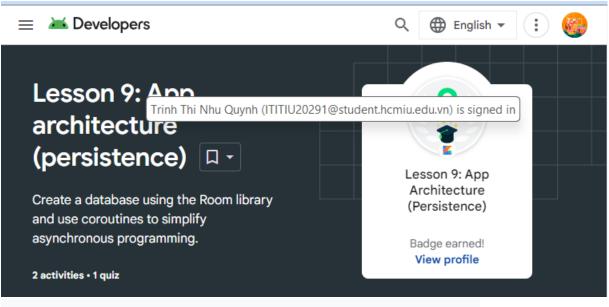
https://github.com/nhuquynh875/labMobile/tree/lab6-inventory1

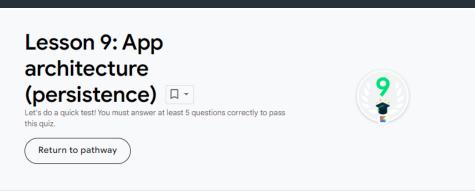
-> Read and update data with Room:

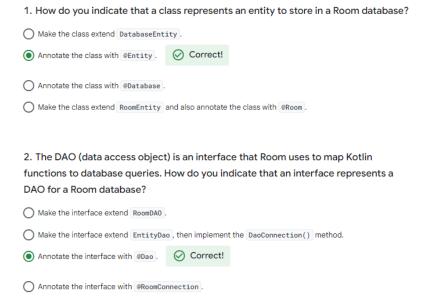
https://github.com/nhuquynh875/labMobile/tree/lab6-inventory2

-> Bus Schedule app:

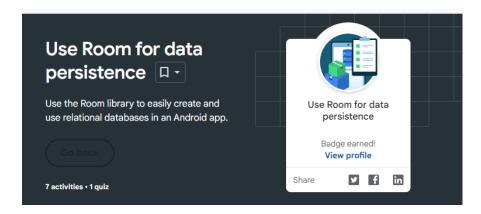
https://github.com/nhuquynh875/labMobile/tree/lab6-bus schedule







3. Which of the following annotations can you use in your @Dao interface? Choose all that apply.
Choose as many answers as you see fit.
✓ @Update
✓ @Insert
✓ @Query
Which of the following is not a benefit of using coroutines?
They run asynchronously.
They can be run on a thread other than the main thread.
They always make the app run faster. Correct!
They can use exceptions.
5. Which of the following is not true for Suspend functions?
An function annotated with the Suspend keyword.
A function that can be called inside coroutines.
While a Suspend function is running, the calling thread is suspended.
Suspend functions must always run in the background.
6. Which of the following statements is NOT true?
When execution is blocked, no other work can be executed on the blocked thread.
When execution is suspended, the thread can do other work while waiting for the offloaded work to complete.
Suspending is more efficient, because threads may not be waiting, doing nothing.
Whether blocked or suspended, execution is still waiting for the result of the coroutine before continuing.
Results
You scored 6 out of 6. Congratulations! You have passed this quiz.
Return to pathway Next pathway



Use Room for data persistence Let's do a quick test! You must answer at least 7 questions correctly to pass this quiz. Return to pathway

1. Which of the following statements is not true about the equery annotation:
The equery annotation is used with a method in the DAO.
The equery annotation corresponds to a SELECT query.
The equery annotation can pass arguments into a SQL statement by preceding their name with a colon.
The equery annotation can only be used with a suspend function. Correct!
2. Which of the following statements are true about the DAO?
O DAO functions use annotations like @Insert and @Update that correspond to an operation on the database.
O DAO functions can return a flow.
O Instances of DAO classes are referenced in the AppDatabase class.
All of the above
3. The Database class, inheriting from the RoomDatabase class, is responsible for
Instantiating the database and providing access to the DAO. Correct!
Representing individual data tables.
Defining functions that map to SQL statements, such as SELECT queries.
Provides data to the UI.

4. The purpose of the DAO is to:
O Hold reference to the view models and the database.
Define functions that map to SQL statements, such as SELECT , and INSERT queries.
Provide a factory method to create a database instance.
Create a new database instance.
5. Why do you need to use the synchronized() function when you create the database? Choose as many answers as you see fit.
It lets you create multiple copies of the database.
✓ It lets you safely access the code from multiple threads at once.
✓ It is used to avoid race conditions. ✓ Correct!
✓ It ensures only one thread can enter the block of code at once. ✓ Correct!
6. You can use the @Insert and @Delete annotations without providing a SQL statement. ① True ② Correct! 7. Fill-in-the-blanks Enter one or more words to complete the sentence.
To handle conflicts when inserting into a database, you can pass a(n) onConflict
parameter, such as IGNORE, to the @Insert annotation. Correct!
8. Select all the statements that are true about the Database Inspector: Choose as many answers as you see fit.
It lets you inspect, query, and modify your app's databases while your app is running.
☐ It works with other SQLite libraries that you bundle with your app.
✓ It is especially useful for database debugging. ✓ Correct!
✓ It works with plain SQLite and with libraries built on top of SQLite, such as Room. ✓ Correct!

9. Entities represent individual data tables in the Room database.
● True ○ Correct!
○ False
10. Which of the following statement is not true about the primary key:
O You can use the primary key to uniquely identify every record/entry in your database tables.
After you assign the primary key, you cannot modify it.
Room generates an incrementing primary key value for each entity by default.
The primary key represents the entity object as long as it exists in the database.
Results You scored 10 out of 10. Congratulations! You have passed this quiz. Return to pathway Next pathway