

Get data from the internet

Let's do a quick test! You must answer at least 7 questions correctly to pass this quiz.

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1. With concurrent programming, code might execute in an order different from how it was written.

☒ True ☒ Correct!

☐ False

2. Fill-in-the-blanks

Enter one or more words to complete the sentence.

The composable is used to respond to the Back button, with or without a NavHost.

☒ Correct!

3. Which of the following statements are true about coroutine contexts?

Choose as many answers as you see fit.

☐ `Dispatchers.Default` is the best choice for long running tasks involving reading and writing large amounts of data.

☒ `Dispatchers.Main` can be used for updating the UI but not for long-running tasks.

☒ Correct!

☒ A `Job` controls the lifecycle of a coroutine. ☒ Correct!

☒ `Dispatchers.IO` is optimized for network I/O, among other background tasks. ☒ Correct!

4. `launch()` and `async()` are extension functions of a ____, which keeps track of any coroutines it creates.

☒ `CoroutineScope` ☒ Correct!

☐ `Job`

☐ `Dispatcher`

☐ `CoroutineContext`

5. Which of the following statements are true about structured concurrency and its best practices?

Choose as many answers as you see fit.

☒ If a coroutine is canceled, child coroutines should also be canceled. ☒ Correct!

☐ A parent scope can complete before one or more of its children are completed.

☐ A failure should propagate downward without canceling the parent coroutine.

☒ Coroutines must be launched from a coroutine scope. ☒ Correct!

6. Which of the following statements are true about web services?

Choose as many answers as you see fit.

☒ GET, POST, and DELETE are all examples of HTTP operations. ☒ Correct!

☒ A URL is a type of URI but not all URIs are URLs. ☒ Correct!

☐ RESTful services always provide a formatted XML response.

☐ Retrofit is a third-party library for handling JSON from a web service.

7. Retrofit is a third-party library that enables your app to make requests to a(n) ___ web service.

☐ XML

☐ Socket

☒ RESTful ☒ Correct!

☐ JSON

8. One recommended way to perform a Retrofit network request is with a coroutine launched in the `viewModelScope`.

☒ True ☒ Correct!

☐ False

9. To enable your app to make connections to the Internet, add the '`android.permission.INTERNET`' permission in the ___ file.

☐ `MainActivity`

☐ `build.gradle`

☒ Android manifest ☒ Correct!

☐ `ViewModel`

10. The process of turning a JSON result into usable data, as is done with Gson, is called JSON ___.

☐ Serialization

☐ Encoding

☐ Converting

☒ Parsing

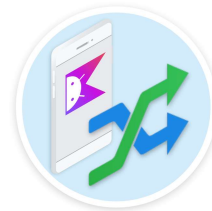
☒ Correct!

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