

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

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!

Results

You scored **9 out of 10**. Congratulations! You have passed this quiz.

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