


Navigate between screens

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 is false about collections and higher order functions in Kotlin?

- ☐ Lists, maps, and sets can all use higher order functions.
- ☒ Lists are unordered, while maps and sets are ordered data types.  **Correct!**
- ☐ Like the elements in a set, the keys in a map must be unique. However, multiple keys can map to the same value.
- ☐ Higher order functions such as map and filter can take lambda functions as parameters.

2. Given the following code, what is the result of `oneWordCities[1]` ?

```
val cities = listOf("Jeddah", "Bengaluru", "Shenzhen", "Abu Dhabi", "Mountain View")
val oneWordCities = cities.toSet().toList().filter { !it.contains(" ").sorted() }
```

- ☐ Tripoli
- ☐ Abu Dhabi
- ☒ Jeddah  **Correct!**
- ☐ Bengaluru


3. Fill-in-the-blanks

Enter one or more words to complete the sentence.


A(n) is a piece of data passed between activities when launching an intent.

 **Correct!**

4. If you open an app, and then leave the app using the back button, in which order were the following activity lifecycle methods called?



- ☐ `onStart()`, `onCreate()`, `onDestroy()`, `onStop()`
- ☐ `onDestroy()`, `onStart()`, `onCreate()`, `onStop()`
- ☒ `onCreate()`, `onStart()`, `onStop()`, `onDestroy()`  **Correct!**
- ☐ `onStart()`, `onCreate()`, `onStop()`, `onDestroy()`

5. Which activity lifecycle method would be called if a dialog appears onscreen, partially obscuring an activity?

- ☒ `onPause()` because the activity is still displayed, but no longer has focus.  **Correct!**
- ☐ `onStop()` because the activity does not need to respond to user input while the dialog is onscreen.
- ☐ `onResume()` because the activity needed to respond to user input to display the dialog.
- ☐ `onDestroy()` because the activity does not need to exist so long as it doesn't have focus.

6. Which of the following is true about the lifecycle of a single activity?

Choose as many answers as you see fit.

- ☒ `onStart()` can be called multiple times, while `onCreate()` can only be called once.  **Correct!**
- ☐ `onStop()` can be called multiple times, while `onPause()` can only be called once.
- ☐ `onDestroy()` is called when the app enters the background.
- ☒ `onResume()` is called when the activity gains focus.  **Correct!**

7 Which of the following is false about intante?

7. Which of the following is false about intents?

- ☐ Both implicit and explicit intents allow your app to launch another activity.
- ☐ Explicit intents require you to specify the class of the activity you want to show.
- ☐ Intents are performed using the `startActivity()` method.
- ☒ An implicit intent always results in the system asking the user which app to open.

✔ Correct!

8. An activity contains the following code in `onCreate()`. What will happen when this code is executed, if the `intent` property is `null`?

```
val message = intent.extras?.getString("message")
).toString()
```



- ☒ The app will crash because it attempted to access the extras property on a null object.
- ☐ The app will crash because it attempted to access a null object.
- ☐ The app will not crash because the extras property is accessed unsafely using `?.`
- ☐ The app will not crash because the extras property is accessed safely using `?.`

✔ Correct!

9. Which of the following tasks can be performed in `onCreate()`?

Choose as many answers as you see fit.

- ☒ Configuring views, such as setting the layout manager of a recycler view.
- ☐ Determining the items to be shown in the options menu.
- ☐ Setting the `onClickListener` for items in the options menu.
- ☒ Getting extras from the intent that launched the activity.

✔ Correct!

✔ Correct!

10. In which method should you handle what happens when a button in the app bar is pressed?

- ☐ `onCreateOptionsMenu()`
- ☐ `openOptionsMenu()`
- ☒ `onOptionsItemSelected()`
- ☐ `onPrepareOptionsMenu()`

✔ Correct!

Results

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

[Return to pathway](#)

[Next pathway](#)

Was this helpful?



Twitter
Follow @AndroidDev on
Twitter



YouTube
Check out Android Developers
on YouTube

MORE ANDROID

Android
Android for Enterprise
Security
Source
News
Blog
Podcasts

DISCOVER

Gaming
Machine Learning
Privacy
5G

ANDROID DEVICES

Large screens
Wear OS
Android TV
Android for cars
Android Things
Chrome OS devices

RELEASES

Android 11
Android 10
Pie
Oreo
Nougat
Marshmallow
Lollipop
KitKat

DOCUMENTATION AND DOWNLOADS

Android Studio guide
Developers guides
API reference
Download Studio
Android NDK

SUPPORT

Report platform bug
Report documentation bug
Google Play support
Join research studies

Google Developers

[Android](#)

[Chrome](#)

[Firebase](#)

[Google Cloud Platform](#)

[All products](#)

[Privacy](#) | [License](#) | [Brand guidelines](#)

Get news and tips by email

[Subscribe](#)

English ▾