

Display a scrollable list

Let's do a quick test! You must answer at least 5 questions correctly to pass this quiz.



Return to pathway

1. Fill-in-the-blanks

Enter one or more words to complete the sentence.

Before running the below code, simpleList should be initialized as a list.

```
println(simpleList)
simpleList.add(-5)
simpleList.remove(4)
println(simpleList)
```

✓ Correct!

2. Which of the following statements are valid?

Choose as many answers as you see fit.

✓ ☒ val list = listOf(1, 2, 5)

✓ Correct!

✓ ☒ val oddNumbers = mutableListOf("1", "9", "15")

✓ Correct!

☐ val listValues: MutableList<Boolean>

☐ val fruits = list("apple", "banana", "pear")

✓ ☒ val words: List<String> = listOf("jump", "run", "skip")

✓ Correct!

3. Why does a RecyclerView need an Adapter?

☐ To adapt data to display on a specific device type

☐ To create a new ViewGroup

☐ To adapt data from a data source into JSON

☒ To create new ViewHolders and bind data to them

✓ Correct!

4. Which of the following are advantages to using RecyclerView?

Choose as many answers as you see fit.

✓ ☒ RecyclerView comes with built-in layout managers.

✓ Correct!

☐ RecyclerView lets you use packages to organize your code.

✓ ☒ RecyclerView helps save processing time, which can help scrolling through a list smoother.

✓ Correct!

✓ ☒ RecyclerView is designed to be efficient for lists by reusing views that have scrolled off the screen.

✓ Correct!

☐ RecyclerView automatically incorporates Material Design components.

5. Which of the following is true about packages?

Choose as many answers as you see fit.

✓ ☒ You can use packages to organize your code.

✓ Correct!

✓ ☒ In order to use a class from another package, you have to explicitly import it in your code.

✓ Correct!

☐ The package name is usually structured from specific to general.

✓ ☒ It is good practice to use packages to group classes by functionality.

✓ Correct!

6. What should you do to ensure that the correct type of resource ID is passed in to a constructor?

☐ Use an Adapter to force the type.

☐ Only use a stringResourceId or imageResourceId.

☒ Use resource annotations.

✓ Correct!

- ☒ use a naming convention to pass the id in the form `id:<type>`.
- ☐ None of the above

7. Fill-in-the-blanks

Enter one or more words to complete the sentence.

In the below code, `num in numbers` should be written in the for loop, so that the output returned is the list of numbers 1 through 3, with each number printed on a new line.

```
val numbers = listOf(1, 2, 3)
for (_____) {
    println(num)
}
```



✓ Correct!

Results

You scored **7 out of 7**. 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](#)

Developers

[Android](#)

[Chrome](#)

[Firebase](#)

[Google Cloud Platform](#)

[All products](#)

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

Get news and tips by email

[Subscribe](#)

English ▾