

## Your grade: 86.66%

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Next item  $\rightarrow$ 

1. In an Android application, which of the following is created first?	1 / 1 point
Composable	
○ Fragment	
Activity	
○ View	
Correct Correct! Activity is one of the most important components of an Android application and the program entry point. An Activity is created before Fragments, Views and Composable	
2. How is a Compose UI element represented?	1 / 1 point
○ <b>view</b> Object	
Special function	
O AppCompatActivity	
☐ Tag in the XML file	
○ Correct     Correct! The function is called composable and it is annotated with an @Composable annotated with an @Compos	otation.
3. What can a layout contain? Select all that apply.	1/1 point
Screens	
Activities	
✓ Other layouts	
✓ UI Elements	
Correct Correct! Layouts may contain simple UI elements.	
4. True or False: Applying modifiers to a <b>composable</b> in different order may produce a different resu	ılt. 1/1 point
● True	
○ False	
Correct Correct! Changing the order may have a different effect on the overall arrangement, position even behavior of the elements.	ning, size or
5. In the code below, what is the reason behind usage of the remember function and mutableState observable?	1/1 point
<pre>val value = remember { mutableStateOf(/*some value*/) }</pre>	
Reset of the variable value during function call.	
Prevent reset of the variable value during recomposition.	
Reset of the variable value during recomposition.	
Correct Correct! To retain the value, you have to use the remember function and mutableStateOr Otherwise, the function would reset the variable to its initial value.	E observable.

**6.** Which of the following are part of Jetpack navigation?

1/1 point



10. What is the output of the following code?

0 / 1 point

<pre>3</pre>	
<ul> <li>The first Button click will instantly show the Text and the following Button click will have no effect.</li> <li>The first Button click will instantly hide the Text and the following Button click will instantly show the Text.</li> <li>The first Button click will start the fade in animation of the Text and following Button click will start the fade out animation of the Text.</li> <li>The first Button click will start the fade out animation of the Text and the following Button click will start</li> </ul>	
fade in animation of the <b>Text</b> .  Solution Incorrect  Not quite. Please review the video Animated visibility C.*.	
<ul> <li>11. Which of the following best describes what an Activity is?</li> <li>The first screen that appears after an app has launched.</li> <li>The app component that contains the user interface.</li> <li>The business logic present within the main() method.</li> <li>Information registered in the manifest.</li> </ul>	1/1 point
○ Correct     Correct! An Activity contains part of an app's user interface and represents the app screen.	
12. Which of the following is the parent class for all types of views?  ViewGroup  View  TextView	1/1 point
<ul> <li>✓ ImageView</li> <li>✓ Correct</li> <li>Correct! View defines the basic building block for any user interface, component or element.</li> </ul>	
<ul> <li>13. Which of the following refers to the states an Activity goes through from the moment an app starts until it exits?</li> <li>activity lifecycle</li> <li>lifecycle methods</li> <li>callbacks</li> <li>state</li> </ul>	1/1 point
Correct Correct! The Activity class provides a number of callback functions which are called during different stages of the lifecycle.	
14. Which of the following classes are all UI elements subclasses of?  Activity  ViewGroup  XML  View	1/1point

XML can be difficult to debug.

 $\textbf{15.} \ \ \textbf{Which of the following is a disadvantage of using XML to create a User Interface in Android Studio?}$ 

<ul> <li></li></ul>	4/4 minh
Correct     Correct! It can be difficult to find and fix errors as well as time consuming to maintain XML code.  Which of the following is the process of initially generating the hierarchy of UI elements?      composable	4/4 minh
Correct! It can be difficult to find and fix errors as well as time consuming to maintain XML code.  Which of the following is the process of initially generating the hierarchy of UI elements?  composable	4/4 maint
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O composable	4/4 maint
O composable	1/4 maint
O composable	4 / 4 maint
	1/1 point
O 1 100 10 10	
initialization	
O recomposition	
<ul><li>composition</li></ul>	
<b>⊘</b> Correct	
Correct! Jetpack Compose can be used to build a hierarchical UI consisting of composable functions.	
Which of the following is an annotation that allows developers to easily create components that are modular and reusable?	1/1 point
@ @Composable	
© ecomposable	
@Annotation	
() @Component	
○ Correct  Correct   Intrack Company can be used to build a hierarchical III consisting of company his functions	
Correct! Jetpack Compose can be used to build a hierarchical UI consisting of composable functions.	
Which of the following built-in layouts in Compose places composables vertically?	1 / 1 point
	-/ - po
Olayout	
O box	
(e) column	
O row	
<ul> <li>Correct</li> <li>Correct! For a row the main axis is the vertical axis, so you can set the vertical alignment.</li> </ul>	
correct for a fow the main axis is the vertical axis, so you can set the vertical anguinent.	
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O box	
column	
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Olayout	
<ul> <li>Correct</li> <li>Correct! For a row the main axis is the vertical axis, so you can set the vertical alignment.</li> </ul>	
consecution a form are main axis is the vertical axis, so you can set the vertical anguinteric	
Which of the following modifiers is used to set the background color of a composable?	1 / 1 point
	,
O release	
O color	
background	
•	
O backgroundColor	
○ backgroundColor  ○ Correct	
○ backgroundColor	
○ backgroundColor  ○ Correct	
backgroundColor  Correct Correct! The background modifier accepts a color object as an argument.	
○ backgroundColor  ○ Correct	1 / 1 point

		4 5	Modifier.height(300.dp).clip(RoundedCornerShape(30.dp))	
(	С	2 3 4	<pre>Image(   painter = painterResource(id = R.drawable.cat),   contentDescription = "an image of a cat",   Modifier.height(300.dp).roundedCornerShape(30.dp) )</pre>	
(	0	2 3 4	<pre>Column( painter = painterResource(id = R.drawable.cat), contentDescription = "an image of a cat", Modifier.height(300.dp).clip(RoundedCornerShape(30.dp)) )</pre>	
	$\odot$	Correct! Correct! shape.	The .clip modifier can be used with a supplied argument of the desired amount of the rounded	
	ores:	sing a thu user actio event liste event han	eners idlers	0/1 point
	_	Incorrect Not quit		
23.		ch of the forevent more long pressevents		1/1 point
	$\odot$		Event modifiers are a powerful tool for enhancing the user experience and providing a more c and interactive UI.	
24.		Data save The locati Data of a	ollowing best describes what state is in programming?  d in memory.  ion of data within a program.  program that changes over time.  I to recreate an activity.	1/1 point
	$\odot$	Correct!	State can also be described as the current condition of a program.	
	Mate	rial Desig Top App E Navigatio Scaffold		1/1 point
	$\odot$	Correct!	Scaffold is an easy way to combine various UI patterns and material components.	

<ul> <li>object</li> <li>interface</li> <li>override</li> <li>Correct</li> <li>Correct! When implementing navigation in Jetpack Compose, destinations can be defined as objects.</li> <li>27. Which of the following is used to define a horizontal List in Jetpack Compose?</li> </ul>	int
<ul> <li>○ correct         Correct! When implementing navigation in Jetpack Compose, destinations can be defined as objects.     </li> </ul>	nt
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Correct! When implementing navigation in Jetpack Compose, destinations can be defined as objects.	nt
27. Which of the following is used to define a horizontal List in Jetpack Compose?	int
O grid	
O column	
Row	
O вох	
○ Correct     Correct! A Row is a layout composable. A Column is used when you want to define a vertical List.	
28. Which of the following would you use to create a vertical scrollable List for a large or unknown number of items? 1/1 poi	int
○ lazy row	
lazy column	
O lazy grid	
O lazy list	
○ Correct     Correct! Lazy column takes care of scrolling and recomposing items when required.	
29. Which of the following is a mechanism for unifying and maintaining the application look and feel across all screens?	int
O XML	
a design system	
O a theme	
o a composable hierarchy	
Not quite. Please review the video <u>The Theme function</u> □     □	
30. Which of the following APIs can be used to animate a value in Jetpack Compose? 1/1 poi	int
○ animate API	
animate*AsState API	
O animatedVisibility API	
O remember API	
Correct Correct! the animate*AsState API can animate several value types such as float, color and dp.	