

1. Declarative UI programming allows developers to define the UI and its behavior in a concise and expressive way by describing the desired result instead of the details of how to achieve it. 1 / 1 point

- ☒ True
☐ False

✓ Correct
That's correct. This describes the concept behind Jetpack Compose's declarative UI programming model.

2. In Jetpack Compose the 'Compose' item can best be described as: 1 / 1 point

- ☐ Compose is a tool that builds a UI without needing to use an Activity
☒ A library for developing UI that is part of the Jetpack suite.

✓ Correct
That's correct! Compose is a library for developing UI and is part of the Jetpack suite.

☒ A reusable view component.

✓ Correct
That's correct! Compose is an atomic UI element and is part of the Jetpack compose library.

3. What are the three main benefits to using a declarative approach when building an Android UI? Select all that apply. 1 / 1 point

☒ More succinct code

✓ Correct
That's correct! This can be a benefit of the declarative approach.

☒ Easier to read and debug code

✓ Correct
That's correct! This can be a benefit of the declarative approach.

☐ Less complex UI components

☐ Reduced need for unit tests

☒ Improved performance

☒ Correct
That's correct! This can be a benefit of the declarative approach.

4. In this code, a composable function is defined. What is the name of this function? 1 / 1 point

```
1  @Composable
2  fun MainPanel(name: String) {
3      Text(text = "$name")
4  }
```

- ☐ Composable
☒ MainPanel
☐ Text

☒ Correct
That's correct! MainPanel is the name of the function.

5. In this code, a composable function is defined. In the second-last code line the "name" argument is passed to another function Text. What is the best description of this function? 1 / 1 point

```
1  @Composable
2  fun MainPanel(name: String) {
3      Text(text = "$name")
4  }
```

- ☐ A function written by the developer.
☐ A variable
☒ A built-in composable function in the Compose library.

☒ Correct
That's correct! Text, is a built-in composable function in Compose library and it is responsible for creating the text UI element that appears on the screen.