✓ **Congratulations! You passed!**

Grade received 80%   To pass 80% or higher

Go to next item

---

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:

`0 / 1 point`

☑ Compose is a tool that builds a UI without needing to use an Activity

✗ **This should not be selected**
An activity is the app component that contains the user interface and represents the app screen and is a required part of Android UI building.

☐ A library for developing UI that 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.

☐ Less complex UI components

☑ Easier to read and debug code

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

☑ Improved performance

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

☐ Reduced need for unit tests

---

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 built-in composable function in the Compose library.

◯ A variable

◯ A function written by the developer.

✓ **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.

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

◉ A built-in composable function in the Compose library.

◯ A variable

◯ A function written by the developer.