

# **Test Bank for Android App Development 1st Franceschi**

**Chapter 01 - Quiz**

**Multiple Choice**

1. Android apps can be distributed via:

- A) the App Store.
- B) the Android Market.
- C) Google Play.
- D) the Apple Store.

Ans: C

Complexity: Moderate

Ahead: Smart Phones and Their Operating Systems

Subject: Chapter 1

2. The programming language for Android app development is:

- A) Java.
- B) Python.
- C) C++.
- D) Perl.

Ans: A

Complexity: Easy

Ahead: Development Environment for Android Apps

Subject: Chapter 1

3. The red, green, and blue values of a gray shade are all equal. Including black and white, how many shades of gray are there?

- A) 8
- B) 256
- C) 16
- D) 16.7 million

Ans: B

Complexity: Moderate

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

4. The name of the directory where we should place the icon file for the app is:

- A) drawable.
- B) raw.
- C) mipmap.
- D) values.

Ans: C

Complexity: Difficult

Ahead: The App Manifest and the Gradle Build System

Subject: Chapter 1

5. Which of the following defines a valid String element?

- A) <strings name="my\_name">20dp</strings>
- B) <string name="my\_name">20dp</string>
- C) <name string="my\_name">16dp</name>
- D) <my\_name name="string">16dp</my\_name>

Ans: B

Complexity: Moderate

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

6. The AppCompatActivity's direct superclass is:

- A) MainActivity.
- B) Activity.
- C) AppCompatActivity.
- D) Main.

Ans: B

Complexity: Moderate

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

### Short Answer

1. The strings.xml file contains \_\_\_\_\_ constants.

Ans: string

Complexity: Easy

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

2. AVD stands for \_\_\_\_\_.

Ans: Android Virtual Device

Complexity: Easy

Ahead: Running the App Inside the Emulator

Subject: Chapter 1

### True/False

1. True or False? It is possible to preview a GUI XML file inside the environment without running the app.

Ans: True

Complexity: Easy

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

2. True or False? It is possible to filter the output inside Logcat.

Ans: True

Complexity: Easy

Ahead: Debugging the App with Logcat

Subject: Chapter 1

3. True or False? An XML element can have only 0 or 1 attribute.

Ans: False

Complexity: Easy

Ahead: Our First App: HelloAndroid

Subject: Chapter 1

4. True or False? We can test an app on a device only in vertical orientation.

Ans: False

Complexity: Easy

Ahead: Testing and Running the App on an Actual Device

Subject: Chapter 1

## **Chapter 1 eBook Quiz**

### **Fill-in-the-Blank**

1. We can access the activity\_main.xml resource file from the layout directory using the expression \_\_\_\_\_.

<Answer: R.layout.activity\_main>  
<Complexity: Difficult>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

### **Fill-in-the-Blank**

2. The colors.xml file contains \_\_\_\_\_ constants.

<Answer: color>  
<Complexity: Easy>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

### **Multiple Choice**

3. The int parameter of the setContentView( int ) method represents:

- [1] a count.
- [2] a random integer.
- [3] a resource.
- [4] 0 or 1.

<Answer: 3>  
<Complexity: Difficult>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

### **Multiple Choice**

4. What hex number represents green?

- [1] FF0000
- [2] 00FF00
- [3] 0000FF
- [4] 000000

<Answer: 2>  
<Complexity: Moderate>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

**Multiple Choice**

5. A color has been defined in colors.xml using <color name="myColor">#33FD42</color>. How do you use it?
- [1] @color/myColor
  - [2] @color/33FD42
  - [3] color/myColor
  - [4] color/33FD42

<Answer: 1>  
<Complexity: Moderate>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

**True/False**

6. It is possible to run an app inside the emulator in horizontal orientation.

<Answer: True>  
<Complexity: Easy>  
<A-Head: Running the App Inside the Emulator>  
<Subject: Chapter 1>

**Multiple Choice**

7. Which class do we use to send some output to Logcat?
- [1] Logcat
  - [2] System
  - [3] Print
  - [4] Log

<Answer: 4>  
<Complexity: Moderate>  
<A-Head: Debugging the App with Logcat>  
<Subject: Chapter 1>

**True/False**

8. It is possible to set up breakpoints throughout the code so that we can debug the app.

<Answer: False>  
<Complexity: Easy>  
<A-Head: Using the Debugger>

<Subject: Chapter 1>

**Multiple Choice**

9. In order to test an app on a device, we need to:

- [1] do nothing.
- [2] download a driver for the device.
- [3] disconnect the device from the computer.
- [4] download a device for the driver.

<Answer: 2>

<Complexity: Moderate>

<A-Head: Testing and Running the App on an Actual Device>

<Subject: Chapter 1>

**Multiple Choice**

10. The name of the XML attribute that we use to specify that an app will run in horizontal orientation only is:

- [1] android:orientation.
- [2] android:screen.
- [3] android:screenOrientation.
- [4] orientation.

<Answer: 3>

<Complexity: Moderate>

<A-Head: The App Manifest and the Gradle Build System>

<Subject: Chapter 1>

**True/False**

11. XML elements can be nested.

<Answer: True>

<Complexity: Easy>

<A-Head: Our First App: HelloAndroid>

<Subject: Chapter 1>

**Multiple Choice**

12. What is the only valid XML comment?

- [1] // comment
- [2] /\* comment \*/
- [3] # comment
- [4] <!-- comment -->

<Answer: 4>  
<Complexity: Moderate>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>

### **Multiple Choice**

13. Which of the following code snippets defines a valid dimension element?

- [1] <dimens name="my\_margin">20dp</dimens>
- [2] <dimen name="my\_margin">20dp</dimen>
- [3] <name dimen="my\_margin">16dp</name>
- [4] <my\_margin name="dimen">16dp</my\_margin>

<Answer: 2>  
<Complexity: Moderate>  
<A-Head: Our First App: HelloAndroid>  
<Subject: Chapter 1>