What is the main building block of an Android application?

Widget

Module

Component

D) Package

In Android, what is the purpose of the "res" directory?

A) It contains application data.

B) It stores source code files.

C) It holds resources like layouts, images, and strings.

D) It manages background processes.

Which file is responsible for storing the configuration information of an Android application?

A) .java file

B) .apk file

C) AndroidManifest.xml

D) build.gradle

Android Terminologies:

What does "APK" stand for in Android development?

A) Android Package Kit

B) Application Program Kit

C) Android Program Kernel

D) Application Package

What is an "Activity" in the context of Android development?

A) A background process

B) A user interface component

C) A programming language

D) A data storage container

6)What does the term "Context" refer to in Android?

A) The location of the app installation

B) The state of an activity

C) The current situation or environment

D) The version number of the app

Intents and Broadcasts:

What is the primary purpose of an Intent in Android?

A) To declare app permissions

B) To start a service or activity

C) To define the app's user interface

D) To store application data

What is a broadcast receiver in Android?

A) A component that broadcasts messages to other devices

B) A background service that receives SMS messages

C) A UI component that receives user inputs

D) A component that listens for and reacts to broadcast announcements

Android Manifest File:

What is the AndroidManifest.xml file used for in an Android application?

A) To store user preferences

B) To define the layout of the user interface

C) To specify app permissions and components

D) To manage background tasks

10 ) What is an Intent Filter used for in the AndroidManifest.xml file?

A) To filter spam messages

B) To filter user inputs

C) To filter incoming calls

D) To filter the types of Intents an activity can respond to

Permissions:

11) In Android, what is the purpose of app permissions?

A) To control access to device hardware

B) To restrict internet access

C) To limit the app's installation locations

D) To define the app's layout

12) Which element in the AndroidManifest.xml file is used to declare app permissions?

A) <activity>

B) <permission>

C) <intent-filter>

D) <uses-permission>

Managing Application Resources:

13 ) What is the purpose of the "res/values" directory in Android?

A) To store user data

B) To manage application resources like strings and colors

C) To define app permissions

D) To store Java source code files

14) How are Android resources organized in a hierarchy?

A) Linearly

B) Alphabetically

C) Hierarchically

D) Randomly

Working with Different Types of Resources:

15) What type of resource is stored in the "res/layout" directory?

A) Images

B) XML layouts

C) Strings

D) Colors

16) In Android, what is the purpose of the "drawable" directory?

A) To store background services

B) To manage database connections

C) To store images and graphics

D) To define app permissions

17) Which XML file is used to define string resources in Android?

A) styles.xml

B) colors.xml

C) strings.xml

D) dimensions.xml

18) What is the purpose of the "assets" directory in Android?

A) To store AndroidManifest.xml

B) To store application data files

C) To define app permissions

D) To store Java source code files

19) In Android development, what is the purpose of the Layout XML files?

A) To define the application's user interface

B) To store configuration settings

C) To manage database connections

D) To specify hardware requirements

20 ) Which of the following components is responsible for managing the app's lifecycle in Android development?

A) Activity

B) Intent

C) Fragment

D) Service

Answers Key for 1 to 20

1)C

2)C

3)C

4)A

5)B

6)C

7)B

8)D

9)C

10)D

11)A

12)D

13)B

14)C

15)B

16)C

17)C

18)B

19)A

20A

1. What is Android?

A. A brand of smartphones

B. An operating system for mobile devices

C. A programming language

D. A hardware manufacturer

Answer: B. An operating system for mobile devices

1. Which programming language is primarily used for Android app development?

A. C++

B. Java

C. Python

D. Swift

Answer: B. Java

1. What is an APK in the context of Android?

A. Android Package Kit

B. Application Programming Kit

C. Android Programming Key

D. Application Package Key

Answer: A. Android Package Kit

1. Which tool is used to build Android applications?

A. Android Studio

B. Eclipse

C. IntelliJ IDEA

D. All of the above

Answer: A. Android Studio

1. What is the role of the AndroidManifest.xml file in an Android app?

A. Contains app resources

B. Defines app permissions and configuration

C. Stores user preferences

D. Manages database connections

Answer: B. Defines app permissions and configuration

1. What is an Intent in Android?

A. A user interface element

B. A background service

C. A message-passing mechanism between components

D. A database table

Answer: C. A message-passing mechanism between components

1. Which component is responsible for the user interface in an Android app?

A. Service

B. Activity

C. BroadcastReceiver

D. ContentProvider

Answer: B. Activity

1. What is the purpose of the RecyclerView in Android?

A. Managing app permissions

B. Displaying a scrollable list of items

C. Handling background tasks

D. Defining database schemas

Answer: B. Displaying a scrollable list of items

1. Which layout is used to organize UI elements in a grid-like fashion in Android?

A. LinearLayout

B. RelativeLayout

C. GridLayout

D. FrameLayout

Answer: C. GridLayout

1. What is the purpose of the "adb" tool in Android development?

A. Android Debug Bridge

B. Application Development Bridge

C. Android Database

D. App Debugging Builder

Answer: A. Android Debug Bridge

1. What is the main function of the ContentProvider in Android?

A. Managing app resources

B. Handling background tasks

C. Sharing data between apps

D. Defining UI layouts

Answer: C. Sharing data between apps

1. What is the role of the AsyncTask class in Android?

A. Managing app permissions

B. Performing background tasks asynchronously

C. Defining database schemas

D. Handling UI events

Answer: B. Performing background tasks asynchronously

1. Which of the following is NOT a valid Android app component?

A. Activity

B. Fragment

C. Procedure

D. BroadcastReceiver

Answer: C. Procedure

1. What is the purpose of the "R.java" file in Android development?

A. Runtime configuration file

B. Resource identifier file

C. Registration file

D. Read-only file

Answer: B. Resource identifier file

1. Which storage option is recommended for storing large amounts of structured data in Android?

A. Shared Preferences

B. Internal Storage

C. SQLite Database

D. External Storage

Answer: C. SQLite Database

1. What is the Android Emulator used for in development?

A. Testing real-time device location

B. Simulating an Android device on a computer

C. Analyzing network traffic

D. Debugging device drivers

Answer: B. Simulating an Android device on a computer

1. Which component is responsible for long-running operations in the background in Android?

A. Activity

B. Service

C. BroadcastReceiver

D. ContentProvider

Answer: B. Service

1. What is the purpose of the "res" directory in an Android project?

A. Storing source code

B. Managing app permissions

C. Containing app resources like layouts and images

D. Defining database schemas

Answer: C. Containing app resources like layouts and images

1. What does the acronym API stand for in Android development?

A. Android Programming Interface

B. Application Programming Interface

C. Android Package Installation

D. Application Package Interface

Answer: B. Application Programming Interface

1. Which tool is used to inspect and interact with the UI components of an Android app during runtime?

A. Android Studio

B. ADB (Android Debug Bridge)

C. Dalvik Debug Monitor Server (DDMS)

D. UI Inspector

Answer: C. Dalvik Debug Monitor Server (DDMS)