Result: Pass

Marks: 36/60

Percentage: 60.00 %

Questions: 60

Correct Answers: 36

Attempted: 60

1. What is the primary function of AndroidManifest.xml in an Android Studio project?

Answers

1. Define project resources

2. Specify app permissions and components

3. Manage Gradle dependencies

4. Handle user interface layouts

2. What is the purpose of the Gradle build system in Android development?

Answers

1. Manage app permissions

2. Configure the app's user interface

3. Automate the build process and handle dependencies

4. Debug application code

3. Which of the following represents the entry point of an Android application?

Answers

1. build.gradle

2. AndroidManifest.xml

3. res/layout/activity_main.xml

4. MainActivity.java

4. Which folder in an Android Studio project contains the actual source code files, such as Java classes and XML layouts?

Answers

1. src

2. res

3. lib

4. build

5. What is the primary advantage of Kotlin over Java?

Answers

1. Better performance

2. Improved syntax

3. Increased platform support

4. Enhanced backward compatibility

6. What is the purpose of "Null Safety" in Kotlin?

Answers

1. Allowing null values by default

2. Preventing null pointer exceptions

3. Enforcing nullable variable declarations

4. Promoting unsafe coding practices

7. What is the Kotlin feature used for performing asynchronous programming?

Answers

1. Lambda expressions

2. Extension functions

3. Co-Routines

4. Companion objects

8. Which Kotlin feature is used for adding new functionality to existing classes without modifying their source code?

Answers

1. Extension functions

2. Co-Routines

3. Companion objects

4. Data classes

9. What is the primary purpose of a Kotlin Companion object?

Answers

1. Defining global constants

2. Implementing singleton patterns

3. Providing default property values

4. Creating static methods

10. Which Kotlin feature is used for concise representation of immutable data?

Answers

1. Singleton objects

2. Extension functions

3. Companion objects

4. Data classes

11. Which keyword is used to define an immutable variable in Kotlin?

Answers

1. var

2. let

3. val

4. const

12. In Android architecture, which layer is responsible for managing processes, memory, and device drivers?

Answers

1. Application Framework

2. Android Runtime

3. Kernel Layer

4. Libraries

13. What is the purpose of the Android Runtime in the Android architecture?

Answers

1. Managing app permissions

2. Executing Dalvik bytecode

3. Handling user interface layouts

4. Interprocess communication

14. What is the primary role of the Application Framework in Android architecture?

Answers

1. Managing device drivers

2. Handling user interfaces

3. Providing common services to applications

4. Executing bytecode

15. What is the primary function of a Content Provider in Android?

Answers

1. Managing user interfaces

2. Handling interprocess communication

3. Sharing data between applications

4. Receiving system-wide broadcasts

16. What is the role of Dalvik VM in Android architecture?

Answers

1. Managing memory resources

2. Executing Java bytecode

3. Handling user interface events

4. Managing application permissions

17. What is the purpose of the ContentValues class in Android SQLite databases?

Answers

1. Handling UI events

2. Storing data in Shared Preferences

3. Managing background tasks

4. Representing a set of values to be inserted or updated in a database

18. Which method is called when an Activity is brought to the foreground from a paused state?

Answers

1. onCreate()

2. onStart()

3. onResume()

4. onPause()

19. How is an Activity started in Android?

Answers

1. Using a Broadcast Receiver

2. Using a Content Provider

3. Using a Fragment

4. Using an Intent

20. What is an Intent in Android development?

Answers

1. A user interface component

2. A background service

3. A data-sharing mechanism

4. A communication channel between Activities

21. What is an Intent Filter used for in Android?

Answers

1. Defining communication protocols

2. Managing the Intent stack

3. Controlling the Activity life cycle

4. Filtering incoming Intents based on criteria

22. What is the purpose of a View in Android UI?

Answers

1. A container for holding other Views

2. A user interface element

3. A background image

4. A data storage component

23. Which Android layout is known for arranging its child Views in a single row or column?

Answers

1. Relative layout

2. Frame layout

3. Linear layout

4. Constraint layout

24. What does the Frame layout in Android primarily focus on?

Answers

1. Arranging Views in a sequence

2. Placing Views relative to each other

3. Creating a grid of Views

4. Overlapping Views

25. What are Button, Text View, and Edit Text in Android UI commonly referred to as?

Answers

1. Containers

2. Layouts

3. Widgets

4. Fragments

26. What is the purpose of a Spinner in Android UI?

Answers

1. Displaying images

2. Selecting a single item from a dropdown list

3. Checking multiple options

4. Displaying a group of radio buttons

27. Which type of notification in Android allows for displaying additional information such as text, buttons, and images?

Answers

1. Standard Notification

2. Custom Notification

3. Basic Notification

4. Expanded Notification

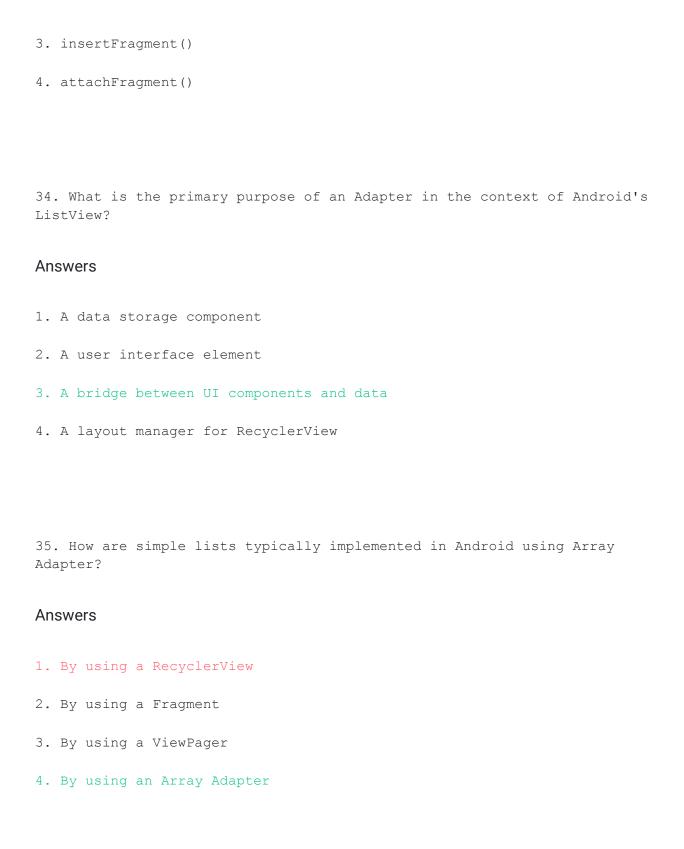28. What is the primary purpose of a Content Provider in Android?

Answers

1. Handling UI components

2. Managing background tasks

3. Providing a standardized interface to access and share data

4. Creating layouts for activities

29. Which Android UI component is used to display a scrolling list of items?

Answers

1. Spinner

2. Checkbox

3. Radio button

4. Scroll View

30. How can you perform a query to retrieve data from an SQLite database in Android?

Answers

1. Using the executeQuery() method

2. By calling the query() method on a SQLiteDatabase object

3. By using the selectData() method

4. Android does not support querying SQLite databases.

31. What is a Fragment in the context of Android development?

Answers

1. A complete Android application

2. A modular section of an activity

3. A user interface layout

4. A background service

32. How can you create a Fragment in Android?

Answers

1. By extending the FragmentActivity class

2. By defining a new Java class

3. By extending the Activity class

4. By extending the Fragment class

33. Which operation is used to add a fragment to an activity dynamically in Android?

Answers

1. replaceFragment()

2. addFragment()

3. insertFragment()

4. attachFragment()

34. What is the primary purpose of an Adapter in the context of Android's ListView?

Answers

1. A data storage component

2. A user interface element

3. A bridge between UI components and data

4. A layout manager for RecyclerView

35. How are simple lists typically implemented in Android using Array Adapter?

Answers

1. By using a RecyclerView

2. By using a Fragment

3. By using a ViewPager

4. By using an Array Adapter

36. What is the primary advantage of using a RecyclerView over a ListView in Android?

Answers

1. RecyclerView is simpler to implement

2. RecyclerView automatically handles click events

3. RecyclerView provides better performance and flexibility

4. RecyclerView is better suited for simple lists

37. Which class is responsible for handling the creation and binding of views in a RecyclerView?

Answers

1. RecyclerView.LayoutManager

2. RecyclerView.ViewHolder

3. RecyclerView.Adapter

4. RecyclerView.ItemDecoration

38. What is the primary purpose of the RecyclerView.ViewHolder class in Android?

Answers

1. Managing the layout of RecyclerView items

2. Representing the views of a single item in the RecyclerView

3. Handling click events in RecyclerView

4. Providing a custom adapter for RecyclerView

39. In Android, what is the purpose of the Action Bar?

Answers

1. Managing background tasks

2. Displaying notifications

3. Providing navigation controls

4. Presenting user actions and navigation modes

40. How can a Toolbar be used as an ActionBar in Android?

Answers

1. By setting the android:theme attribute in the XML layout file

2. By using the setActionBar method in the activity

3. By including the Toolbar in the XML layout file and setting it as the ActionBar

4. By using the android.support.v7.widget.ActionBar class

41. In Android, what is the primary purpose of ViewPagers in a tab-based UI?

Answers

1. Handling click events on tabs

2. Displaying pop-up menus

3. Facilitating swiping between different screens or fragments

4. Managing background tasks

42. What is the main function of the Navigation Drawer in Android?

Answers

1. Displaying notifications

2. Providing navigation options through a slide-in menu

3. Managing background tasks

4. Handling click events on ActionBar items

43. What is the purpose of the Cursor class in Android SQLite databases?

Answers

1. Managing UI components

2. Handling user input

3. Representing a set of values to be inserted or updated

4. Retrieving query results and iterating over them

44. How can you access mobile contacts or SMS using a Content Provider in Android?

Answers

1. By directly querying the SQLite database

2. By implementing a custom data access layer

3. By using the ContentResolver and URI of the Contacts or SMS provider

4. By creating a separate database for contacts and SMS

45. Which of the following is NOT a type of Android Service?

Answers

1. Started Service

2. Bounded Service

3. Intent Service

4. Event Service

46. What is the primary purpose of a Broadcast Receiver in Android?

Answers

1. Managing background tasks

2. Handling UI components

3. Handling system events and custom app-based events

4. Creating layouts for activities

47. Which Android component is responsible for handling calls and SMS?

Answers

1. Broadcast Receiver

2. Telephony Manager

3. Intent Service

4. Location Listener

48. What is the purpose of Intent Service in Android?

Answers

1. Handling system events

2. Performing long-running operations in the background

3. Managing UI components

4. Handling location-based services

49. Which feature of Xcode is commonly used for designing the visual flow of an iOS app?

Answers

1. Swift Playground

2. Interface Builder

3. Core Data

4. Auto Layout

50. In Swift, what is the purpose of the Optional Operator?

Answers

1. Handling nullable values

2. Concatenating strings

3. Defining constants

4. Performing typecasting

51. What is the main distinction between a class and a structure in Swift?

Answers

1. Classes support inheritance, structures do not.

2. Classes are used for concurrency, structures for UI design.

3. Classes are value types, structures are reference types.

4. Classes have optional properties, structures do not.

52. What is the purpose of a closure in Swift?

Answers

1. Defining optional values

2. Handling nullable values

3. Representing an ordered collection of items

4. Capturing and storing references to functions and variables

53. What are Swift protocols and extensions used for?

Answers

1. Defining optional values

2. Storing key-value pairs

3. Defining the structure of a class or structure

4. Handling nullable values

54. Which component is responsible for managing the life cycle of a view controller in iOS?

Answers

1. AppDelegate

2. Storyboard

3. ViewController

4. Constraint Layout

55. In iOS app development, what is the role of AppDelegate?

Answers

1. Designing user interfaces

2. Managing data storage

3. Handling background tasks

4. Managing the life cycle of the app

56. What is the purpose of a Segue in iOS app development?

Answers

1. Handling background tasks

2. Designing user interfaces

3. Navigating between view controllers

4. Writing Swift code

57. How can you perform persistent storage using UserDefaults in iOS?

Answers

1. Using Core Data

2. By implementing Multithreading

3. Insert, retrieve, and delete from UserDefaults

4. JSON GET POST handling

58. Can a class conform to multiple protocols in Swift?

Answers

1. No, Swift does not support multiple protocol conformance

2. Yes, Swift supports multiple protocol conformance

3. Only structs can conform to multiple protocols

4. Conformance to protocols is not possible in Swift

59. What UI element is commonly used for selecting between multiple options in iOS?

Answers

1. Segmented Control

2. Toolbar

3. NavBar

4. Alert Controller

60. What is the primary purpose of using CocoaPods in iOS development?

Answers

1. Managing persistent data

2. Handling UI components

3. Simplifying the integration of third-party libraries

4. Running concurrent tasks