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1. Difference between JVM and DVM.
2. Explain the key Android Features.
3. Illustrate the Android Architecture and Diagram.
4. Discuss the significance of OHA (Open Handset Alliance).
5. Describe Android Ecosystem.
6. Explain the functionality of ADB (Android Debug Bridge).
7. Discuss the purpose of Emulator in Android development.
8. Explain AVD.
9. Outline the Installation Steps of Android.
10. Explain the concepts of View and ViewGroup in Android development.
11. List and explain various Layout Types used in Android development.
12. Provide code examples for different Layout Types such as TableLayout, RelativeLayout, LinearLayout, AbsoluteLayout, and FrameLayout.
13. Describe the types of Views (Widgets and properties) in Android along with their properties.
14. Write programs utilizing ArrayAdapter for ListView and AutoCompleteTextView.
15. Demonstrate the implementation of ScrollView in Android.
16. Write programs for Checkbox and RadioButton.
17. Create an ImageView code triggered by a button click event.
18. Develop a GridView progra.
19. Write a program illustrating the usage of Date Time Spinner.
20. Discuss different Intent types, the uses of Intent Filters, and provide AndroidManifest file code snippets.
21. Provide a program demonstrating both Implicit and Explicit Intent, for example, navigating to google.com.
22. Write programs for image capture in Android.
23. Explain the theory behind AsyncTask and Content Provider in Android development.
24. Draw a diagram and explain the theory of Activity and Service Lifecycle in Android.
25. Write a program illustrating the Activity Lifecycle in Android.
26. Provide code examples for Text-to-Speech and Media Player functionalities in Android.
27. Explain the steps involved in app deployment on Android devices.
28. Draw a diagram depicting a Broadcast Receiver and provide a program utilizing it.
29. Discuss the theory of Geocoding and Reverse Geocoding in Android.
30. Write an SQLite code example for Android.
31. Provide a code example for implementing a ProgressBar in Android.
32. Explain the Android security model, focusing on permission types.
33. Write a basic map program with a locator code for Android.