

## Mobile App Development

### Quiz-1

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1.What is Flutter?

- A. Flutter is an open-source backend development framework
- B. Flutter is an open-source UI toolkit
- C. Flutter is an open-source programming language for cross-platform applications
- D. None of these

2. Who developed the Flutter Framework and continues to maintain it today?

- A. Facebook
- B. Microsoft
- C. Google
- D. Oracle

3. Which programming language is used to build Flutter applications?

A. Kotlin

B. Dart

C. Java

D. Go

4. How many types of widgets are there in Flutter?

A. 2

B. 4

C. 6

D. 8+

5. When building for iOS, Flutter is restricted to an \_\_\_ compilation strategy

A. AOT (ahead-of-time)

B. JIT (Just-in-time)

C. Transcompilation

D. Recompilation

6. A sequence of asynchronous Flutter events is known as a:

- A. Flow
- B. Current
- C. Stream
- D. Series

7. Access to a cloud database through Flutter is available through which service?

- A. SQLite
- B. Firebase Database
- C. NOSQL
- D. MYSQL

8. What are some key advantages of Flutter over alternate frameworks?

- A. Rapid cross-platform application development and debugging tools
- B. Future-proofed technologies and UI resources
- C. Strong supporting tools for application development and launch
- D. All of the above

9. What element is used as an identifier for components when programming in Flutter?

- A. Widgets

B. Keys

C. Elements

D. Serial

10. What type of test can examine your code as a complete system?

A. Unit tests

B. Widget tests

C. Integration Tests

D. All of the above

11. What type of Flutter animation allows you to represent real-world behavior?

A. Physics-based

B. Maths-based

C. Graph-based

D. Sim-based

12. True or false: Flutter boasts improved runtime performance over most application frameworks.

A. True

B. False

13. What command would you use to compile your Flutter app in release mode?

A. Flutter --release

B. Flutter build --release

C. Flutter run --release

D. Flutter run \$release

14. Which function will return the widgets attached to the screen as a root of the widget tree to be rendered on screen?

A. main()

B. runApp()

C. container()

D. root()

15. What is the key configuration file used when building a Flutter project?

A. pubspec.yaml

B. pubspec.xml

C. config.html

D. root.xml

16. True or false: an experienced Flutter developer doesn't need to know platform native languages or tools to build apps.

A. True

B. False

17. Which component allows us to specify the distance between widgets on the screen?

A. SafeArea

B. SizedBox

C. table

D. AppBar

18. Which widget type allows you to modify its appearance dynamically according to user input?

A. Stateful widget

B. Stateless widget

19. What command would you run to verify your Flutter install and ensure your environment is set up correctly?

A. Flutter run

- B. Flutter build
- C. Flutter doctor
- D. Flutter help

20. Which release mode will not contain any debugging data when run?

- A. Profile
- B. Debug
- C. Release
- D. Test

21. What language is Flutter's rendering engine primarily written in?

- A. Kotlin
- B. C++
- C. Dart
- D. Java

22. What is a drawback of Flutter that might lead you to choose another solution?

- A. Non-native looking application UI
- B. Large application footprint

C. A relatively unproven framework and language

D. All of the above

23. True or False: Flutter supports desktop application development.

A. True

B. False

24. What widget would you use for repeating content in Flutter?

A. ExpandedView

B. ListView

C. Stack

D. ArrayView

25. True or False: Flutter teams are inherently more difficult to manage because the framework is so new.

A. True

B. False

26. Flutter is:



- A. DBMS toolkit
- B. an Open-source UI toolkit
- C. an Open-source web development framework
- D. None of the above

27. Does flutter support desktop application development?

- A. Yes
- B. No

28. Which of the following widget is used for repeating content in Flutter?

- A. ListView
- B. ArrayView
- C. ExpandedView
- D. None of the above

29. Flutter's rendering engine is primarily written in which programming language?

- A. Java
- B. C++
- C. Google Dart
- D. C#

30. Flutter is backed by .....

- A. Google
- B. Meta
- C. Microsoft
- D. Twitter

31. Which of the following language is used to build flutter app?

- A. Go
- B. Java
- C. Dart
- D. React

32. Flutter have mainly ..... 2 types of widgets.

- A. Two
- B. Three
- C. Four
- D. Five

33. A sequence of asynchronous events is often referred to as a stream.

- A. True
- B. False

34. Which element is used as an identifier in Flutter?

- A. Serial
- B. Widgets
- C. Keys
- D. All of the above

35. .... component allow us to specify the distance between widgets on the screen.

- A. Table
- B. AppBar
- C. SizedBox
- D. safe area

36. What are the features of Flutter?

- A. Fast development
- B. Huge widget catalog
- C. High-performance application
- D. All of the above

37. Everything is a widget in Flutter. True or False?

- A. True
- B. False

38. Unlike other programming languages Dart doesn't support .....

- A. classes
- B. interfaces
- C. arrays
- D. object-oriented

39. Which of the following option is used to represent a collection of objects in Dart?

- A. String
- B. Numbers
- C. Booleans
- D. Lists and Maps

40. Which of the following is used to load images from the flutter project's assets?

- A. Image
- B. Image.file
- C. Image.asset
- D. Image.memory

41. The most important properties of the Image widget are .....

- A. width, double
- B. height, double
- C. image, ImageProvider
- D. all of the above

42. What does SDK stands for?

- A. Software Data Kit
- B. Software Database Kit
- C. Software Development Kit

D. None of the above

43. Choose the best editors for Flutter app development.

- A. VS Code
- B. Sublime Text
- C. Android Studio
- D. All of the above

44. What are the type of tests, that we can perform in flutter?

- A. Unit test
- B. Widget test
- C. Integration test
- D. All of the above

45. Which of the following animation allows us to represent real-world behavior in Flutter?

- A. Math-based
- B. Graph-based
- C. Physics-based
- D. None of these

46. Flutter developed by?

- A. Oracle
- B. Google
- C. Facebook
- D. IBM

47. The first alpha version of Flutter was released in?

- A. 2017
- B. 2016
- C. 2019

D. 2018

48. Flutter is not a language; it is an SDK.

A. False

B. True

C. Can not say

D. Can be True or False

49. A widget that allows us to refresh the screen is called a \_\_\_\_\_

A. Stateless widgets

B. Statebuild widget

C. Stateful widget

D. All of the above

50. Which of the following are the advantages of Flutter?

A. Cross-platform Development

B. Minimal code

C. Faster Development

D. All of the above

51. Which function is responsible for starting the program?

A. runApp()

B. main()

C. run()

D. flutter()

52. WidgetsApp is used for basic navigation

A. No

B. Yes

C. Can be Yes or No

D. Can not Say

53. Which of the following is true regarding Flutter?

A. Flutter is free and open-source.

B. Flutter is a UI toolkit for creating fast, beautiful, natively compiled mobile applications

C. Flutter use one programming language and a single codebase

D. All of the above

54 Flutter is mainly optimized for 2D mobile apps that can run on?

A. iOS

- B. Android
- C. Both iOS and Android
- D. None of the above

55. The examples of the Stateless widget are?

- A. Row
- B. Text
- C. Column
- D. All of the above

56. When you build the Flutter app the first time, does it will take a longer time?

- A. Yes
- B. No
- C. Can be Yes or No
- D. Cannot say

57. Which of the following works with a small r key on the terminal or commands prompt?

- A. Cold Reload
- B. Cold Restart
- C. Hot Reload
- D. Hot Restart

58. Flutter Streams can be of \_\_\_\_\_ types.

- A. 0
- B. 1
- C. 2
- D. 3

59. Release mode allows us to optimize the codes and generate them without any debug data in a fully optimized form

- A. True
- B. False
- C. Can be True or False
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60. Which of the following tests a single widget ?

- A. Widget Test
- B. Integration Test
- C. Interactive Test

D. Unit Test

61. Which of the following used to develop the native hybrid app from a single codebase?

A. Flutter

B. React Native

C. Keras

D. Both Flutter and React Native

62. pubspec.yaml file does not contain?

A. Project general settings

B. Project assets

C. Project language

D. Project dependencies

63. It is very necessary to learn Dart language for building Flutter application?

A. No

B. Yes

C. Can be Yes or No

D. Can not Say

64. Which of the following takes more time to compile and update the app?

A. Hot Reload

B. Hot Restart

C. Depends on Compiler

D. Cold Restart

65. The Flutter tooling supports \_\_\_\_\_ modes while compiling the application

A. 4

B. 5

C. 2

D. 3

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B. Flutter is an open-source programming language for cross-platform applications

C. Flutter is a DBMS toolkit

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96. \_\_\_\_\_ widget introduces the Navigator and Theme widgets required to create a material design app

- A. Scaffold
- B. MaterialApp
- C. Canvas
- D. All of these

97. Using \_\_\_\_\_ widget you can display a webpage just like another widget in your mobile application

- A. MaterialApp
- B. WebView
- C. Container
- D. None of these

98. \_\_\_\_\_ is a widget to show a lightweight message at the bottom of screen. It can also contain an optional action

- A. AppBar
- B. TabBar
- C. NavBar
- D. SnackBar

99. \_\_\_\_\_ widget is used to select a value from a range of values

- A. Slider
- B. Selector
- C. Picker
- D. Chooser

100. \_\_\_\_\_ widget displays a set of items in a scrollable list

- A. ListView
- B. Option
- C. Select
- D. None of these