

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. Flutter is a DBMS toolkit

Answer: B. Flutter is an open-source UI toolkit for creating exceptional front-end cross-platform applications.

Software engineer demonstrating an engineering concept to a student at the whiteboard

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

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

Answer: C. Google began developing Flutter back in 2015 and supports its continued development and maintenance today alongside a highly active open-source community.

Which programming language is used to build Flutter applications?

- A. Kotlin

B. Dart

C. Java

D. Go

Answer: B. Flutter programs are written in Google's own Dart programming language.

How many types of widgets are there in Flutter?

A. 2

B. 4

C. 6

D. 8+

Answer: A. There are two types of widgets available to developers in Flutter. These are stateful and stateless widgets.

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

Answer: A. Due to iOS restrictions on dynamic code execution Flutter apps must use AOT compilation on the iOS platform.

A sequence of asynchronous Flutter events is known as a:

A. Flow

B. Current

C. Stream

D. Series

Answer: C. A sequence of asynchronous events is often referred to as a stream.

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

A. SQLite

B. Firebase Database

C. NOSQL

D. MYSQL

Answer: B. Firebase database allows for access to a cloud-based database provider for Flutter applications.

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

Answer: D. Flutter boasts all of these features for developers as improvements over competing frameworks or native application development. Our guide to [the pros and cons of Flutter development]() covers each of these in detail.

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

A. Widgets

B. Keys

C. Elements

D. Serial

Answer: B. Keys are used in Flutter to uniquely identify widgets, elements, and SemanticsNodes.

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

Answer: C. Integration tests will test Flutter code as one cohesive package and examine how elements interact with each other.

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

A. Physics-based

B. Maths-based

C. Graph-based

D. Sim-based

Answer: A. Physics-based animation allows you to simulate real-world behaviors in Flutter applications

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

A. True

B. False

Answer: A. Flutter indeed boasts exceptional performance credentials when compared to related application frameworks. Our comparison between Flutter and React Native takes a deep dive into the topic and highlights where the strengths and weaknesses of each technology lie.

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

Answer: C. Flutter run --release will compile your application for release.

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()

Answer: B runApp() will return the widgets attached to the screen as the root of the widget tree.

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

- A. pubspec.yaml

B. pubspec.xml

C. config.html

D. root.xml

Answer: A. pubspec.yaml lives at the base of a Flutter project and provides the necessary configuration and setup to build Flutter apps.

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

A. True

B. False

Answer: B. False, a proficient Flutter developer would be expected to dive down into platform code from time to time and debug errors or performance issues that are affecting the application. When hiring a Flutter developer, this is a key skill to look out for and something you should include in your Flutter hiring process.

Software engineer interviewing a candidate during an informal discussion at the corner of a conference table.

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

A. SafeArea

B. SizedBox

C. table

D. AppBar

Answer: B. SizedBox is a widget that allows us to have a specified height or width between two related widgets.

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

A. Stateful widget

B. Stateless widget

Answer: A. Stateful widgets allow you to modify their data in response to user input or retrieving data.

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

Answer: C. Flutter doctor can check if your Flutter environment is set up correctly for building Flutter applications.

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

A. Profile

B. Debug

C. Release

D. Test

Answer: C. Release mode apps are built optimized for performance and do not include debugging messages for developers.

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

A. Kotlin

B. C++

C. Dart

D. Java

Answer: B. Flutter's rendering engine is primarily written in C++ to provide low-level rendering using the Skia graphics library.

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

Answer: D. These are three of Flutter's primary drawbacks and reasons that developers may wish to look at another solution for some types of apps.

True or False: Flutter supports desktop application development.

A. True

B. False

Answer: A. It's true, as of Flutter 3.0 support for desktop and web application development has been moved into a stable release.

What widget would you use for repeating content in Flutter?

A. ExpandedView

B. ListView

C. Stack

D. ArrayView

Answer: B. The ListView is used for repeating content in the Flutter UI

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

A. True

B. False

Answer: B. It's false. Flutter's booming popularity is evidence enough that Flutter teams are not more difficult to manage or maintain than any other technology or tool. Our guide to managing outsourced Flutter development teams has some best practices and guides on how to do exactly that.

300+ TOP Flutter MCQs and Answers Pdf Online Quiz

Flutter Multiple Choice Questions

1. What is Flutter?

- A. Flutter is an open-source DBMS
- B. Flutter is an open-source UI toolkit
- C. Flutter is an open-source backend toolkit
- D. All of the above

Answer: Flutter is an open-source UI toolkit

2. The first alpha version of Flutter was released in _____.

- A. May 2017
- B. May 2018
- C. May 2016
- D. May 2019

Answer: May 2017

3. Flutter is developed by _____.

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

Answer: Google

4. Is Flutter a programming language?

- A. Yes
- B. No
- C. May be
- D. Can't say

Answer: No

5. Flutter is mainly optimized for _____ that can run on both Android and iOS platforms.

- A. 2D mobile apps
- B. Desktop only
- C. Tablet only
- D. None of the above

Answer: 2D mobile apps

6. Is Flutter a SDK?

- A. Yes
- B. No
- C. May be
- D. Can't say

Answer: Yes

7. SDK stands for _____.

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

D. Software Database Kit

Answer: Software Development Kit

8. What is Dart?

A. Dart is a object-oriented programming language.

B. Dart is used to create a frontend user interfaces.

C. Both A and B

D. None of the above

Answer: Both A and B

9. What are the best editors for Flutter development?

A. Android Studio

B. IntelliJ IDEA

C. Visual Studio

D. All of the above

Answer: All of the above

10. The Dart language can be compiled _____.

A. AOT

B. JIT

C. Both AOT and JIT

D. None of the above

Answer: Both AOT and JIT

11. What are the advantages of Flutter?

- A. Cross-platform Development
- B. Faster Development
- C. UI Focused
- D. All of the above

Answer: All of the above

12. Without the main() function, we cannot write any program on Flutter.

- A. True
- B. False

Answer: True

13. A _____ is a sequence of asynchronous events.

- A. Flow
- B. Current
- C. Stream
- D. All of the above

Answer: Stream

14. The _____ operator is used to evaluate and returns the value between two expressions.

- A. ?
- B. &
- C. ??

D. &&

Answer: ??

15. _____ in Flutter are used as an identifier for Widgets, Elements and SemanticsNodes.

A. Buttons

B. Keys

C. Widgets

D. None of the above

Answer: Keys

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

A. 2

B. 3

C. 4

D. 5

Answer: 2

17. What types of tests can you perform in Flutter?

A. Unit Tests

B. Widget Tests

C. Integration Tests

D. All of the above

Answer: All of the above

18. _____ command is used to compile the release mode.

- A. flutter run –release
- B. flutter –release
- C. flutter run ??release
- D. flutter run %%release

Answer: flutter run –release

19. The subclasses of Key must be a _____.

- A. GlobalKey only
- B. GlobalKey only
- C. GlobalKey or GlobalKey
- D. None of the above

Answer: GlobalKey or GlobalKey

20. _____ in Flutter is a refresh rate of our animation.

- A. Show
- B. Ticker
- C. Refresh
- D. None of the above

Answer: Ticker

21. What are the different build modes in Flutter?

- A. Debug

- B. Profile
- C. Release
- D. All of the above

Answer: All of the above

22. The _____ widget in Flutter is a box that comes with a specified size.

- A. Container
- B. Stream
- C. Show
- D. SizedBox

Answer: SizedBox

23. The function is responsible for returning the widgets that are attached to the screen as a root of the widget tree and will be rendered on the screen.

- A. Container
- B. runApp()
- C. main()
- D. SizedBox

Answer: runApp()

24. The _____ animation allows you to represent real-world behavior in Flutter.

- A. Maths-based
- B. Graph-based
- C. Physics-based

D. None of the above

Answer: Physics-based

25. _____ will enable you to access and manipulate the cloud database.

- A. Sqflite database
- B. Firebase database
- C. Both A and B
- D. None of the above

Answer: Firebase database

26. _____ are some popular apps that use Flutter.

- A. Google Ads
- B. Birch Finance
- C. Alibaba
- D. All of the above

Answer: All of the above

27. _____ is used when you create the Flutter application for Android.

- A. iOS folder
- B. Android folder
- C. Google folder
- D. Text folder

Answer: Android folder

28. _____ is the project's configuration file that will use a lot during working with the Flutter project.

- A. pubspec.html
- B. pubspec.yaml
- C. pubspec.xyz
- D. pubspec.xml

Answer: pubspec.yaml

29. When you build the Flutter app the first time, it will take a longer time.

- A. True
- B. False

Answer: True

30. Disadvantages of Flutter are _____.

- A. The Flutter apps do not support the browser.
- B. It only supports Android and iOS platforms.
- C. It needs continuous integration support through the maintenance of scripts.
- D. All of the above

Answer: All of the above

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

- A. React Native
- B. Flutter

C. Both A and B

D. Keras

Answer: Both A and B

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

A. Hot Restart

B. Hot Reload

C. Cold Reload

D. Cold Restart

Answer: Hot Reload

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

A. Hot Reload

B. Hot Restart

C. Cold Reload

D. Depends on Compiler

Answer: Hot Restart

34. Which function is responsible for starting the program?

A. runApp()

B. run()

C. flutter()

D. main()

Answer: main()

35. Streams can be of _____ types.

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

Answer: 2

36. The Flutter tooling supports _____ modes while compiling the application

- A. 2
- B. 3
- C. 4
- D. 5

Answer: 3

37. 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
- D. Can not say

Answer: TRUE

38. Which of the following tests a single widget?

- A. Integration Tests
- B. Unit Tests
- C. Interactive Tests
- D. Widget Tests

Answer: Widget Tests

39. WidgetsApp is used for basic navigation

- A. Yes
- B. No
- C. Can be yes or no
- D. Can not say

Answer: Yes

40. pubspec.yaml file does not contain?

- A. Project general settings
- B. Project dependencies
- C. Project language
- D. Project assets

Answer: Project language

41. A widget that allows us to refresh the screen is called a _____

- A. Stateless widgets
- B. Stateful widget

- C. Statebuild widget
- D. All of the above

Answer: Stateful widget

42. The examples of the Stateless widget are?

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

Answer: All of the above

43. Which of the following is true regarding Flutter?

- A. Flutter is a UI toolkit for creating fast, beautiful, natively compiled mobile applications
- B. Flutter use one programming language and a single codebase
- C. Flutter is free and open-source.
- D. All of the above

Answer: All of the above

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

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

Answer: Both A and B

Flutter 3

1. Flutter developed by?

Oracle

Google

Facebook

IBM

Answer: Google

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

2017

2016

2019

2018

Answer: 2017

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

False

True

Can not say

Can be True or False

Answer: True

4. A widget that allows us to refresh the screen is called a _____

Stateless widgets

Statebuild widget

Stateful widget

All of the above

Answer: Stateful widget

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

Cross-platform Development

Minimal code

Faster Development

All of the above

Answer: All of the above

6. Which function is responsible for starting the program?

runApp()

main()

run()

flutter()

Answer: main()

7. WidgetsApp is used for basic navigation

No

Yes

Can be Yes or No

Can not Say

Answer: Yes

8. Which of the following is true regarding Flutter?

Flutter is free and open-source.

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

Flutter use one programming language and a single codebase

All of the above

Answer: All of the above

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

iOS

Android

Both iOS and Android

None of the above

Answer: Both iOS and Android

10. The examples of the Stateless widget are?

Row

Text

Column

All of the above

Answer: All of the above

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

Yes

No

Can be Yes or No

Cannot say

Answer: Yes

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

Cold Reload

Cold Restart

Hot Reload

Hot Restart

Answer: Hot Reload

13. Streams can be of _____ types.

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Answer: 2

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False

Can be True or False

Can not Say

Answer: True

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Widget Test

Integration Test

Interactive Test

Unit Test

Answer: Widget Test

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Flutter

React Native

Keras

Both Flutter and React Native

Answer: Both Flutter and React Native

17. pubspec.yaml file does not contain?

Project general settings

Project assets

Project language

Project dependencies

Answer: Project language

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

No

Yes

Can be Yes or No

Can not Say

Answer: Yes

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

Hot Reload

Hot Restart

Depends on Compiler

Cold Restart

Answer: Hot Restart

20. The Flutter tooling supports _____ modes while compiling the application

4

5

2

3

Answer: 3

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

Flutter is a DBMS toolkit

Flutter is an open-source backend development framework

Answer: Flutter is an open-source UI toolkit

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Java

Kotlin

Go

Answer: Dart

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2

Answer: 2

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Transcompilation

Recompilation

AOT (ahead-of-time)

Answer: AOT (ahead-of-time)

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Table

AppBar

SafeArea

Answer: SizeBox

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C++

Java

Dart

Kotlin

Answer: C++

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ExpandedView

ArrayView

Stack

ListView

Answer: ListView

