قائمة الاسئلة
تطوير تطبيقات الموبايل ـ ()ـ المستوى الثالث ـقسم نظم+علوم ـ عام+موازي ـ كلية الحاسوب وتكنولوجيا المعلومات ـ الفترة الثانيةـ درجة الامتحان ()
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1) Flutter apps are written in what language?
  1) + Dart
  2) - Java
  3) - Kotlin
  4) - Swift

2) What is the main widget in Flutter?
  1) + MaterialApp
  2) - Scaffold
  3) - Container
  4) - Text

3) What is the difference between a stateless widget and a stateful widget?
  1) - A stateless widget is immutable, while a stateful widget is mutable.
  2) - A stateless widget is rendered once, while a stateful widget can be rendered multiple times.
  3) + All

4) Which of the following is not a Flutter widget?
  1) - Text
  2) - Image
  3) - Button
  4) + RecyclerView

5) What are some key advantages of Flutter over alternate frameworks?
  1) - Fast development
  2) - Huge widget catalog
  3) - High-performance application
  4) + All

6) What is the key configuration file used when building a Flutter project?
  1) + pubspec.yaml
  2) - flutter.yaml
  3) - dart.yaml
  4) - config.yaml

7) an experienced Flutter developer doesn't need to know platform native languages or tools to build apps.
  1) + TRUE.
  2) - FALSE.

8) What command would you run to verify your Flutter install and ensure your environment is set up correctly?
  1) + flutter doctor
  2) - flutter check
  3) - flutter verify
  4) - flutter setup

9) What is the purpose of the build method in a widget?
  1) + To define the UI of the widget
  2) - To handle user input
  3) - To fetch data from the internet
  4) - To configure the Flutter environment

10) Which widget allows stacking multiple widgets on top of each other?
  1) - Column
  2) + Stack

3)   -   Row

4)   -   ListView

11)   Which Flutter package is used for HTTP requests?

1)   +   http

2)   -   flutter_network

3)   -   dio

4)   -   json_serializable

12)   What does the async keyword indicate in Dart?

1)   -   The function runs synchronously

2)   +   The function returns a Future and runs asynchronously

3)   -   The function does not return any value

4)   -   The function executes instantly without delay

13)   How do you wait for an asynchronous function to complete before continuing execution?

1)   +   Use await before calling the function

2)   -   Use sleep() function

3)   -   Use delay() function

4)   -   Run the function normally without any keyword

14)   What built-in database is Android shipped with?

1)   +   SQLite

2)   -   Apache

3)   -   MySQL

4)   -   Oracle

15)   How do you add padding to a widget in Flutter?

1)   +   Padding()

2)   -   Container()

3)   -   Align()

4)   -   Margin()

16)   Which widget is used for user input in Flutter?

1)   +   TextField

2)   -   Text

3)   -   Label

4)   -   InputBox

17)   What is the primary use of SharedPreferences in Flutter?

1)   -   Storing large files

2)   +   Storing key-value pairs persistently

3)   -   Managing real-time database operations

4)   -   Caching images

18)   Which method is used to retrieve a stored string value from SharedPreferences?

1)   -   getInt()

2)   +   getString()

3)   -   getData()

4)   -   fetchString()

19)   Which of the following is NOT a type of widget in Flutter?

1)   -   StatelessWidget

2)   -   StatefulWidget

3)   +   DynamicWidget

4)   -

20)   What is the purpose of a Scaffold widget in Flutter?

1)   -   To handle HTTP requests

2)   +   To provide basic visual layout structure

3)   -   To manage user authentication

4)   -   To define app navigation

21) What is Scoped Model used for in Flutter?
1)   +   Managing app-wide state
2)   -   Handling HTTP requests
3)   -   Creating UI components
4)   -   Storing local files

22) In Scoped Model, which class is extended to create a model that notifies listeners of changes?
1)   -   ChangeNotifier
2)   -   ScopedModel
3)   +   Model
4)   -   StateProvider

23) Which widget is used to access the Scoped Model data inside the UI?
1)   +   ScopedModelDescendant
2)   -   Provider
3)   -   Consumer
4)   -   ScopedModelBuilder

24) What is the purpose of the Container widget in Flutter?
1)   -   To organize To handle user inputthe app's routes
2)   -   To create a scrollable list
3)   +   To define a single child widget with padding, margin, and constraints
4)   -   To handle user input

25) How do you parse a JSON response in Flutter?
1)   -   Using the parse function
2)   -   Using the JSON.parse function
3)   +   Using the jsonEncode function
4)   -   Using the jsonDecode function

26) Which package is commonly used for SQLite database integration in Flutter?
1)   -   realm
2)   -   firebase
3)   -   moor
4)   +   sqflite

27) What method is used to open a database connection in the sqflite package?
1)   -   startDatabase
2)   -   initDatabase
3)   -   connectDatabase
4)   +   openDatabase

28) Which function will return the widgets attached to the screen as a root of the widget tree to be rendered on screen?
1)   -   root()
2)   -   container()
3)   +   runApp()
4)   -   main()

29) A widget in flutter that does not have appearance
1)   +   GestureDetector
2)   -   Text
3)   -   Image

30) Main folder containing Dart code written using flutter framework

1)   +   lib
2)   -   lab
3)   -   code

31)   iOS specific widgets are designed in accordance with……… Guidelines
1)   +   Human Interface
2)   -   Material design
3)   -   None

32)   Android specific widgets are designed in accordance with…Guidelines
1)   -   Human Interface
2)   +   Material design
3)   -   None

33)   Android specific widgets are called
1)   +   Material widgets
2)   -   Cupertino widgets
3)   -   none

34)   IOS specific widgets are called
1)   -   Material widgets
2)   +   Cupertino widgets
3)   -   none

35)   Flutter is an _____ mobile application development framework created by Google.
1)   +   Open-source
2)   -   Shareware
3)   -   none

36)   is used to navigate to previous screen.
1)   +   Navigation.pop
2)   -   Navigation.push
3)   -   Back()

37)   Notify the framework that the internal state of this object has changed.
1)   +   setState()
2)   -   onPress()
3)   -   Both answers

38)   Everything is a widget in Flutter.
1)   +   TRUE.
2)   -   FALSE.

39)   Which of the following is used to load images from the flutter project's assets?
1)   -   Image
2)   -   Image.file
3)   +   Image.asset
4)   -   Image.memory

40)   Choose the best editors for Flutter app development.
1)   -   VS Code
2)   -   Android Studio
3)   +   All of the above