

Flutter Engineer Interview MCQ & Competitive Programming Questions

Section 1: Flutter MCQs

1. What is the entry point of a Flutter application?

A. build() B. runApp() C. mainActivity() D. MyApp()

Answer: B

2. Which widget is used to create scrollable lists in Flutter?

A. ListView B. Column C. Stack D. Expanded

Answer: A

3. What does setState() do in Flutter?

A. Navigates B. Rebuilds UI C. Deletes widget D. Initializes app

Answer: B

4. Which package is used for state management?

A. http B. sqflite C. provider D. path

Answer: C

5. Which widget arranges children horizontally?

A. Column B. Row C. Stack D. ListView

Answer: B

6. How to make Flutter app responsive?

A. Expanded B. MediaQuery C. LayoutBuilder D. All

Answer: D

7. Widget to preserve page state?

A. Stateless B. Stateful C. IndexedStack D. ListView

Answer: C

8. HTTP method to send data?

A. GET B. POST C. PUT D. FETCH

Answer: B

9. How to define routes in Flutter?

A. MaterialApp.routes B. Scaffold C. setState D. ThemeData

Answer: A

10. Command to build release APK?

A. flutter run B. flutter build ios C. flutter build apk --release D. flutter install

Answer: C

11. Package for localization?

A. flutter_localizations B. intl C. localize D. A and B

Answer: D

12. Widget to catch taps?

A. InkWell B. GestureDetector C. FlatButton D. A and B

Answer: D

13. Default Flutter orientation?

A. Portrait B. Landscape C. Both D. None

Answer: C

14. Purpose of FutureBuilder?

A. Build UI from future data B. Animations C. Dialogs D. Navigation

Answer: A

15. Best state management options?

A. Provider B. Riverpod C. BLoC D. All

Answer: D

Section 2: Competitive Programming Questions

1. Given an array of integers, return indices of the two numbers such that they add up to a specific target.
2. Implement a function to check if a string is a palindrome.
3. Find the longest common prefix among an array of strings.
4. Given a matrix, rotate it 90 degrees clockwise.
5. Determine if a linked list has a cycle.
6. Given a list of intervals, merge all overlapping intervals.
7. Implement binary search on a sorted array.
8. Count the number of islands in a 2D grid (DFS/BFS).
9. Find the first non-repeating character in a string.
10. Implement a LRU (Least Recently Used) cache.