

## Short Descriptive Questions

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1. What is the primary purpose of the **Container** widget in Flutter?
2. How does the **Column** widget differ from the **Row** widget?
3. What is the significance of the **MainAxisAlignment** property in a **Column**?
4. How do you use the **Icon** widget to display an icon in Flutter?
5. What role does the **Scaffold** widget play in a Flutter app's UI?
6. How does the **Stack** widget position its children?
7. In what scenarios would you use the **ListView** widget?
8. How can you make text user-editable in Flutter?
9. Describe the usage of the **Card** widget.
10. How do you handle user gestures with the **GestureDetector** widget?
11. How does the **Expanded** widget help in managing the available space?
12. Describe the significance of the **InkWell** widget in Flutter.
13. Why and when would you use the **Padding** widget?
14. How can you overlay widgets on top of one another in Flutter?
15. What's the main difference between **StatelessWidget** and **StatefulWidget**?
16. How do you implement a pull-to-refresh mechanism in Flutter?
17. What's the purpose of the **Positioned** widget inside a **Stack**?
18. How does the **AspectRatio** widget affect its child's dimensions?
19. Describe how the **Placeholder** widget can be used during development.
20. How can you display a circular image in Flutter?
21. Why would you use the **ClipRRect** widget?
22. How do you implement a horizontal list of items in Flutter?
23. Describe the role of the **SafeArea** widget.
24. When and why would you use the **Hero** widget for animations?

25. What is the function of the **Opacity** widget?
26. How can you use the **Transform** widget to rotate its child?
27. How do you display a modal bottom sheet in Flutter?
28. How can you navigate between pages using the **Navigator** widget?
29. What's the main purpose of the **Align** widget in Flutter?
30. How does the **MediaQuery** widget help in responsive design?
31. Describe the purpose of the **Spacer** widget.
32. How does the **DropDownButton** widget function in Flutter?
33. How do you display a checkbox in Flutter?
34. What is the role of the **FractionallySizedBox** widget?
35. How can you wrap a widget with a border in Flutter?
36. How do you display a linear progress indicator?
37. How can you ensure that a widget takes the full height of its parent?
38. What is the purpose of the **DefaultTextStyle** widget?
39. How do you display a snackbar in Flutter?
40. What is the significance of the **ConstrainedBox** widget?
41. How can you group multiple widgets together in Flutter?
42. Describe how you can apply a gradient to a widget background.
43. How do you capture user input through a text field in Flutter?
44. What's the role of the **SingleChildScrollView** widget?
45. How do you implement a tabbed interface in Flutter?
46. Describe how the **Dismissible** widget works.
47. How do you create a floating action button in Flutter?
48. How can you add a shadow to a widget?
49. What is the primary purpose of the **IntrinsicHeight** widget?
50. How do you change the shape of a widget in Flutter?