

Java Swing Interview Questions and Answers Pdf

Question: 1

What is a layout manager and what are different types of layout managers available in Java Swing?

A layout manager is an object that is used to organize components in a container.

The different layouts available are FlowLayout, BorderLayout, CardLayout, GridLayout and GridBagLayout.

FlowLayout: The elements of a FlowLayout are organized in a top to bottom, left to right fashion.

BorderLayout: The elements of a BorderLayout are organized at the borders(North, South East and West) and the center of a container.

CardLayout: The elements of a CardLayout are stacked, on top of the other, like a deck of cards.

GridLayout: The elements of a GridLayout are of equal size and laid out using the square of a grid.

GridBagLayout: The elements of a GridBagLayout are organized according to a grid. However, the elements may be different sizes and may occupy more than one row or column of the grid. In addition, the rows and columns may have different sizes.

Question: 2

What is a container in a GUI?

A container contains and arranges other components (including other container) through the use of layout managers, which use specific layout policies to determine where components should go as a function of the size of the container.

Question: 3

What advantage do Java's layout managers provide over traditional windowing systems?

Java uses layout managers to lay out components in a consistent manner across all windowing platforms.

Since Java's layout managers aren't tied to absolute sizing and positioning, they are able to accommodate platform specific differences among windowing systems.

Question: 4

Why Swing components are called lightweight component?

AWT component are associated with native screen resource and called heavyweight component while Swing components is uses the screen resource of an ancestor instead of having their own and that's why called lightweight or lighter component.

Question: 5

What are peerless components?

The peerless components are called light weight components.

Question: 6

What is the difference between the Font and FontMetrics classes?

The FontMetrics class is used to define implementation specific properties, such as ascent and descent of a Font object.

Question: 7

Which package has light weight component?

javax.Swing package contains light weight components.

All components in Swing, except JApplet, JDialog, JFrame and JWindow are lightweight components.

Question: 8

Name Container classes?

Window,

Frame,

Dialog,

FileDialog,

Panel,

Applet or ScrollPane.

Question: 9

Name the containers which use Border Layouts as their default layout?

Window, Frame and Dialog classes.

Question: 10

Which container method is used to cause a container to be laid out and redisplayed?

validate()