

20 Lecture - CS506

Important Subjective

Certainly, here are 10 short subjective questions about applets along with their answers:

****Question 1: What is an applet in Java?***

****Answer:** An applet is a small Java program that runs within a web browser, providing interactive and dynamic content on webpages.**

****Question 2: How do you declare a class as an applet in Java?***

****Answer:** To declare a class as an applet, you need to extend the `Applet` class or the `JApplet` class in Swing.**

****Question 3: What is the purpose of the `init()` method in applets?***

****Answer:** The `init()` method is used to initialize the applet and perform any setup required before the applet is displayed.**

****Question 4: How can you embed an applet in an HTML webpage?***

****Answer:** You can use the `<applet>` HTML tag to embed an applet in a webpage, specifying attributes like `code`, `width`, `height`, and `archive`.**

****Question 5: What is the significance of the `start()` method in applets?***

****Answer:** The `start()` method is called when the applet starts executing. It is used to initiate applet execution and resume any ongoing animations or activities.**

****Question 6: How do applets communicate with the browser's host environment?***

****Answer:** Applets communicate with the browser's host environment using the methods provided by the `Applet` class, such as `getParameter()` and `getDocumentBase()`.**

****Question 7: What is the role of the `paint()` method in applets?***

****Answer:**** The `paint()` method is used to draw graphics and display content on the applet. It's called automatically when the applet needs to be redrawn.

****Question 8: What led to the decline in the usage of applets?***

****Answer:**** The decline of applets can be attributed to security concerns and compatibility issues with modern web browsers, which led to reduced support and adoption.

****Question 9: How can applets be used to enhance web content?***

****Answer:**** Applets can be used to add interactive elements like games, animations, visualizations, and simulations to webpages, making them more engaging for users.

****Question 10: What are some alternatives to applets for adding dynamic content to websites?***

****Answer:**** Alternatives include using JavaScript for client-side scripting, HTML5 for multimedia elements, CSS for animations, and server-side scripting languages like PHP or Python for dynamic content generation.