

20 Lecture - CS506

Important Mcqs

Certainly, here are 10 multiple-choice questions (MCQs) about applets along with their solutions and multiple options:

****Question 1: What are applets in Java?***

- a) Small devices used for Java programming.
- b) Miniature applications within a larger program.
- c) Small Java programs that run in a web browser.
- d) Components of Java data structures.

****Solution: c) Small Java programs that run in a web browser.****

****Question 2: Which keyword is used to declare a class as an applet in Java?***

- a) `applet`
- b) `class`
- c) `extends`
- d) `public`

****Solution: c) `extends`****

****Question 3: What HTML tag is used to embed an applet in a web page?***

- a) ``
- b) ``
- c) ``
- d) ``

****Solution: b) `<applet>`****

****Question 4: Which method is called when an applet is first initialized?***

- a) `start()`
- b) `init()`
- c) `main()`
- d) `begin()`

****Solution: b) `init()`****

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

- a) It initializes the applet.
- b) It draws graphics on the screen.
- c) It starts the execution of the applet.
- d) It handles user input.

****Solution: c) It starts the execution of the applet.****

****Question 6: Which package provides classes and methods for creating applets in Java?***

- a) `java.lang`
- b) `java.util`
- c) `java.applet`
- d) `java.awt`

****Solution: c) `java.applet`****

****Question 7: How can applets communicate with the web browser's host environment?***

- a) Through the `System` class.
- b) Through the `Browser` class.

- c) Through the `Applet` class.
- d) Through the `Document` class.

****Solution: c) Through the `Applet` class.****

****Question 8: What is the purpose of the `stop()` method in applets?***

- a) It pauses the applet's execution.
- b) It stops the applet from running.
- c) It handles mouse events.
- d) It sets the applet's dimensions.

****Solution: a) It pauses the applet's execution.****

****Question 9: What is the role of the `paint()` method in applets?***

- a) It sets the background color of the applet.
- b) It initializes the graphics environment.
- c) It displays graphics and content on the applet.
- d) It handles keyboard input.

****Solution: c) It displays graphics and content on the applet.****

****Question 10: Why are applets less commonly used today?***

- a) They are difficult to create.
- b) They are not supported by modern browsers.
- c) They have limited interactivity.
- d) They consume too much memory.

****Solution: b) They are not supported by modern browsers.****