



PROGRAMMING IN JAVA

Assignment 8

TYPE OF QUESTION: MCQ

Number of questions: 10

Total mark: $10 \times 1 = 10$

QUESTION 1:

In Java AWT, TextArea and TextField are the subclass of

- a. List
- b. Label
- c. TextComponent
- d. TextBox

Correct Answer: c

Detailed Solution:

TextArea and TextField are the two sub classes of TextComponent in Java AWT.

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QUESTION 2:

The class at the top of the AWT hierarchy is

- a. Component
- b. Window
- c. Container
- d. Frame

Correct Answer: a

Detailed Solution:

Others are the sub classes of the Component class.

QUESTION 3:

Which of the following packages provides many methods for graphics programming?

- a. java.awt
- b. java.Applet



- c. java.Graphics
- d. java.io

Correct Answer: a

Detailed Solution:

There is no package like java.Graphics and java.Applet. The Graphics class and other classes, which are necessary for GUI programming is defined in java.awt package.

QUESTION 4:

When we invoke `repaint()` for a `java.awt.Component` object, the AWT invokes which of the following method ?

- a. draw()
- b. show()
- c. update()
- d. paint()

Correct Answer: c

Detailed Solution:

The `repaint()` method calls automatically `update()` method and in turn `update()` method calls `paint()` method.

QUESTION 5:

Which of the following statement(s) is/are correct?

- a. AWT components are platform-independent.
- b. AWT follows the MVC (Model View Controller).
- c. Swing components are platform-dependent.
- d. Swing follows MVC (Model View Controller).

Correct Answer: d

Detailed Solution:

AWT components are platform dependent and not follow MVC. Swing components follow MVC and are platform independent.



QUESTION 6:

What is the name of the method used to get the timestamp of an event in AWT ActionEvent Class ?

- a. getWhen().
- b. getModifiers().
- c. paramString().
- d. getActionCommand().

Correct Answer: a

Detailed Solution:

getWhen() method of ActionEvent class returns the timestamp of the event when it is occurred.

QUESTION 7:

Give the abbreviation of AWT?

- a. Applet Windowing Toolkit
- b. Abstract Window Toolkit
- c. Absolute Windowing Toolkit
- d. None of the above

Correct Answer: b

QUESTION 8:

Which of the following methods is called only once during the run time of an applet?

- a. stop()
- b. paint()
- c. init()
- d. destroy()

Correct Answer: c

Detailed Solution:

The init() is used to initialize an applet. Hence, it is called only once.



QUESTION 9:

Which of the following methods can be used to change the size of a `java.awt.Component` object?

- (A) `dimension()`
- (B) `setSize()`
- (C) `area()`
- (D) `size()`
- (E) `resize()`

- a. (A), (B), (C) & (E)
- b. (D) & (E)
- c. (A), (B) & (E)
- d. (B) & (E)

Correct Answer: d

Detailed Solution:

The two methods, namely `setSize()` and `resize()` can be used to change the size of a component.

QUESTION 10:

The **APPLET** tag is used to start an applet from both an HTML document and from an applet viewer.

- a. True
- b. False
- c. APPLET tag is not mandatory in both cases
- d. None of the above

Correct Answer: a

Detailed Solution:

The **APPLET** tag needs to be used to start an applet from both an HTML document and from an applet viewer.
