

**Arab Academy for Science, Technology and Maritime Transport**  
**College of Computing and Information Technology**  
**Quiz**

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Lecturer : Dr. Shady Zahran

Course Title :

Course Code :

Time :

Date :

1. What is the purpose of the `extends` keyword in a Java class declaration?

- A) To define an abstract method
- B) To implement an interface
- C) To inherit properties from a parent class
- D) To overload a method

Answer: Third Choice

2. Which of the following is a characteristic of encapsulation in object-oriented programming with Java?

- A) Classes are not related to each other
- B) Objects hide their internal state and behavior from the outside world
- C) Methods cannot be overridden
- D) Constructors can only be used once

Answer: Second Choice

3. What is the purpose of the `setOnAction` method in JavaFX?

- A) To set the width of a button
- B) To handle mouse clicks on a button
- C) To display a message when a button is clicked

D) To change the font style of a label

Answer: Second Choice

4. In JavaFX, which of the following isn't a type of layout pane?

A) GridPane

B) BorderPane

C) Group

D) FlowPane

Answer: Third Choice

5. What is the purpose of the extends keyword in Java?

A) Inheritance

B) Composition

C) Polymorphism

D) Encapsulation

Answer: First Choice

6. Which of the following JavaFX components can be used to display an image?

A) Button

B) ImageView

C) Label

D) TextField

Answer: Second Choice

7. What is the default value of the "id" property for a Label control in JavaFX?

A) 0

B) null

C) "Label"

D) undefined

Answer: Third Choice

8. What is the purpose of the extends keyword in Java?

- A) To implement an interface
- B) To inherit from a class
- C) To override a method
- D) To create an anonymous class

Answer: Third Choice

9. Which of the following is a feature of JavaFX?

- A) It allows you to write console-based applications.
- B) It provides a way to create desktop applications with a GUI.
- C) It is used for creating mobile apps.
- D) It is only used for web development.

Answer: Second Choice

10. Which of the following JavaFX components can be used to display a graphical user interface (GUI)?

- A) Button
- B) TextField
- C) Canvas
- D) Image

Answer: Third Choice