

Final Exam

Advanced OOP

Date: 2024-5-19 10:00 AM

Duration: 02:00 hours

Name:

Registration Number:

1. Which of the following best describes polymorphism?

The ability of a variable to take multiple forms.

2. What is the default layout for a VBox in JavaFX?

Vertical alignment of nodes

3. Which access modifier makes a member visible only within its own package and by subclasses in the same package?
protected

4. Which method is used to start a JavaFX application?

launch()

5. Which of the following is NOT a principle of OOP?

Compilation

6. Which interface must be implemented to create a custom event handler in JavaFX?

EventHandler

7. In JavaFX, which method is used to set the title of a Stage?

setTitle()

8. In JavaFX, which class represents the top-level container?

Stage

9. Which keyword is used to inherit a class in Java?

extend

10. What does the super keyword in Java do?

It is used to call a method from the parent class.

11. Inheritance in Java allows a class to inherit multiple classes directly.

False

12. In JavaFX, the Scene class represents the content displayed in a stage.

True

13. JavaFX is a GUI toolkit used to develop rich internet applications.

True

14. In OOP, encapsulation refers to the bundling of data and methods that operate on the data.
True

15. In Java, all methods within an abstract class must be abstract.
False