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|  | Selvam College Of Technology, Namakkal (Autonomous) IT Support & Development Training Programme (ISDTP) | |  |
| Worksheet -10 (Final) | | | |
| Bundle & Subject Name | Advanced Bundle V2 (2025) - Java Programming V2 | Semester | VI |

Answer Key

1. Which of the following can be marked as final in Java?

- A) Only classes B) Only methods
C) Only variables D) Classes, methods, and variables

Ans: D. Classes, methods, and variables

2. What does the final keyword do when applied to a variable?

- A) Allows modification after initialization
B) Restricts changes to the variable's value
C) Makes the variable static
D) Ensures the variable is constant only in methods

Ans: B. Restricts changes to the variable's value

3. What is the effect of declaring a class as final in Java?

- A) It allows the class to be extended
B) It prevents the class from being extended
C) It makes the class abstract
D) It makes the class static

Ans: B. It prevents the class from being extended

4. What happens when a final method is inherited by a subclass?

- A) The method can be overridden
B) The method cannot be overridden
C) The method is hidden
D) The method must be static

Ans: B. The method cannot be overridden

5. Which of the following cannot override a final method?

- A) A subclass B) The same class
C) An anonymous class D) The superclass

Ans: A. A subclass

6. Which of the following characteristics does a final variable possess?

- A) Its value can be changed after initialization
B) It can be assigned only once
C) It can be static or instance
D) It must be inherited

Ans: B. It can be assigned only once

7. What is the main effect of declaring a variable as final in Java?

- A) It makes the variable static
B) It allows the variable's value to be changed
C) It allows the variable to be overridden
D) It ensures the variable remains a constant

Ans: D. It ensures the variable remains a constant

8. What will happen if a final method is called in a subclass?

- A) The method can be overridden
B) The method executes normally without changes
C) The method throws an error
D) The subclass cannot call the method

Ans: B. The method executes normally without changes

9. What will occur when attempting to override a final method in a subclass?

- A) A compile-time error
B) The method is hidden
C) The method executes normally
D) A runtime error occurs

Ans: A. A compile-time error

10. Which of the following types of methods can be declared as final?

- A) Instance methods only
B) Static methods only
C) Both instance and static methods
D) Only abstract methods

Ans: C. Both instance and static methods