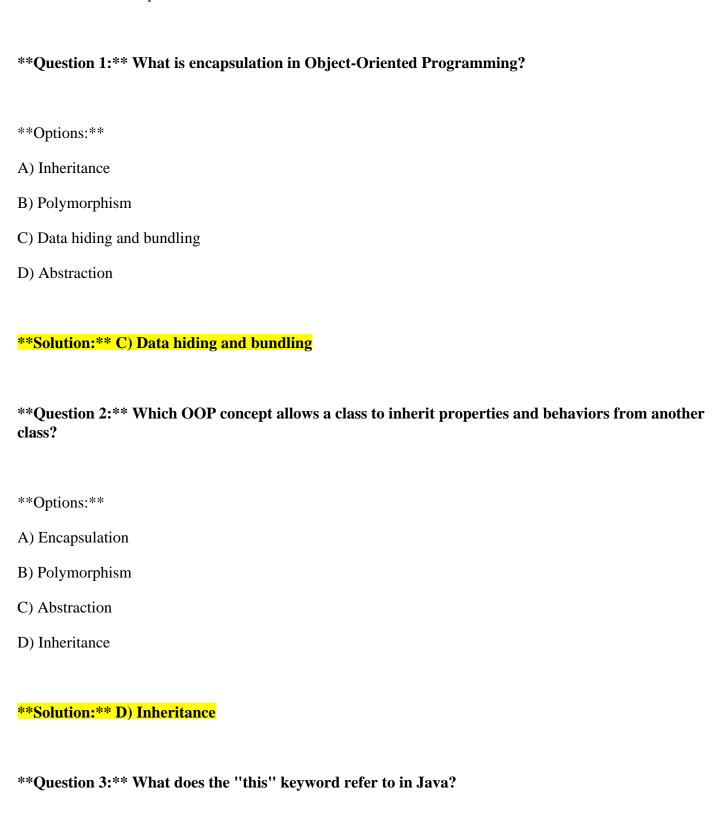
4 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to Object-Oriented Programming along with their solutions and options:



Options:
A) The current instance of the class
B) The superclass
C) A reserved keyword
D) A static method
Solution: A) The current instance of the class
Question 4: Which OOP principle allows a single interface to be implemented by multiple classes?
Options:
A) Encapsulation
B) Polymorphism
C) Inheritance
D) Abstraction
Solution: B) Polymorphism
Question 5: What is a constructor in OOP?
Options:
A) A method used to destroy objects
B) A method used to create objects
C) A keyword to access class properties
D) A data type used for class design
Solution: B) A method used to create objects

Question 6: In OOP, what does the term "method overloading" mean?
Options:
A) Creating a new method in a subclass
B) Changing the name of a method in a class
C) Creating multiple methods in a class with the same name but different parameters
D) Overriding a superclass method in a subclass
Solution: C) Creating multiple methods in a class with the same name but different parameters
Question 7: Which access modifier in Java allows a variable or method to be accessible within the same package?
Options:
A) private
B) public
C) protected
D) default
Solution: D) default
Question 8: What is a class in Object-Oriented Programming?
Options:
A) An instance of an object
B) A blueprint for creating objects
C) A type of variable
D) A static method

Solution: B) A blueprint for creating objects

Question 9: Which OOP concept allows a class to have multiple methods with the same name but different parameters?
Options:
A) Overloading
B) Overriding
C) Inheritance
D) Polymorphism
Solution: A) Overloading
Question 10: What is abstraction in OOP?
Options:
A) A way to hide implementation details and show only necessary features of an object
B) A type of error in programming
C) A data type in Java
D) A way to create instances of a class
Solution: A) A way to hide implementation details and show only necessary features of an object