18 Lecture - CS301

Important Subjective

1. What is a reference variable in Java?

Answer: A reference variable is a variable that holds the memory address of an object in Java.

2. Can multiple reference variables refer to the same object in Java?

Answer: Yes, multiple reference variables can refer to the same object in Java.

3. What is the default value of a reference variable in Java?

Answer: The default value of a reference variable in Java is null.

- 4. How does Java handle garbage collection for objects referenced by reference variables?

 Answer: Java's garbage collector automatically frees up memory allocated to objects that are no longer being referenced by any reference variable.
- 5. Can a reference variable be null in Java?

Answer: Yes, a reference variable can be null in Java.

6. Can a reference variable be reassigned to a different object in Java?

Answer: Yes, a reference variable can be reassigned to a different object in Java.

7. Can a reference variable be used to access static methods in Java?

Answer: Yes, a reference variable can be used to access static methods in Java.

8. What is the difference between a reference variable and a primitive variable in Java?

Answer: A reference variable holds the memory address of an object, while a primitive variable holds the actual value of a data type.

9. Can a reference variable be used to access private members of a class in Java?

Answer: No, a reference variable cannot be used to access private members of a class in Java.

10. How can we check if a reference variable is null in Java?

Answer: We can use the == operator to check if a reference variable is null in Java.