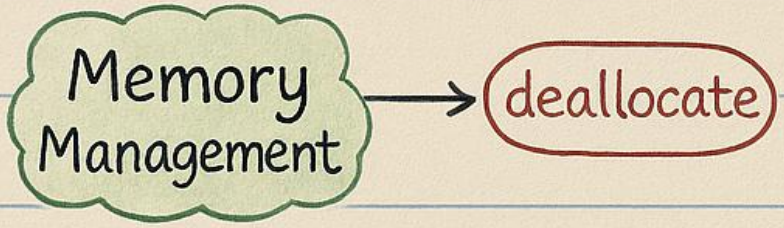
Memory Management in Java

Complete Beginner to Advanced Notes

→ Introduction to Java Memory Management

What is Memory Management?

- Allocation of memory to objects
- deallocation of memory from objects



In Java, memory management is the process of managing the memory used and available by a Java program.

Why Java Memory Management is important?

- Efficient memory utilization
- Performance improvement
- Automatic garbage collection

→ Key Components

- JVM (Java Virtual Machine)
- Runtime Data Areas
- Garbage Collector

Example:

```
1nt[] numbers = new int[5];
```