Java Course Review Topics

**Terms:**

CPU input device output device software hardware

GUI digital analog bit byte

Machine language assembly language high-level language compiler interpreter

JDK IDE compile-time error runtime error logical error

Debugging object method class encapsulation

Operator operand polymorphism parameter String

int double char boolean concatenation

abstraction assignment operator variable constant Unicode character set

unary operator binary operator casting instantiation initialization

dot operator return type packages import declaration flow of control

conditional statement loop relational operator block statements nested statements

increment operator decrement operator assignment operator infinite loop iterator

data declaration method declaration method header visibility public

private return type void formal parameter actual parameter

constructor scope accessor method mutator method method overloading

method signature method decomposition

**Concepts:**

Steps in problem solving

In-line comments

Multi-line comments

Reserved words

Identifier rules

print and println methods

Scanner class (import declaration & use)

Escape sequences

Arithmetic operators

Operator precedence

Creating objects

String class methods

Random class methods for statements

Math class methods logical operators

Steps in program development comparing characters

if statements comparing Strings

if-else statements class creation

while statements method creation

do while statements object creation