

Day 2: Java Operators and Control Structures

"Hello everyone! I'm excited to share my progress on Day 2 of the 100 Days of Java Challenge.

Today, I'm exploring the world of Java operators and control structures.

Java Operators:

In Java, operators are used to perform operations on variables and values. There are several types of operators, including:

- Arithmetic operators (+, -, *, /, %)
- Assignment operators (=, +=, -=, *=, /=, %=)
- Comparison operators (==, !=, <, >, <=, >=)
- Logical operators (&&, ||, !)
- Bitwise operators (&, |, ^, ~)

Java Control Structures:

Control structures determine the flow of a program's execution. Java has several control structures, including:

- Conditional statements (if, if-else, switch)
- Loops (for, while, do-while)
- Jump statements (break, continue, return)

Example:

```
int x = 5;
if (x > 10) {
    System.out.println("x is greater than 10");
} else {
    System.out.println("x is less than or equal to 10");
}
```

Key Takeaways:

- Java operators are used to perform operations on variables and values.
- Control structures determine the flow of a program's execution.
- Understanding operators and control structures is crucial for writing effective Java code.

Next Steps:

Tomorrow, I'll be diving into the world of Java methods and functions. Stay tuned!

Your Turn:

What's your favorite Java operator or control structure? Share your thoughts in the comments below!