

# Java Method Chaining

## What is Method Chaining?

Method Chaining is a technique in object-oriented programming where multiple method calls are made on the same object in a single statement. Each method returns the object itself, allowing the calls to be chained together.

In Java, this is done by having each method return 'this'. It enhances code readability and reduces the need for temporary variables.

## Java Example:

```
public class Student {
    private String name;
    private int age;

    public Student setName(String name) {
        this.name = name;
        return this;
    }

    public Student setAge(int age) {
        this.age = age;
        return this;
    }

    public void printDetails() {
        System.out.println("Name: " + name);
        System.out.println("Age: " + age);
    }
}

// Usage:
new Student().setName("Kazi").setAge(25).printDetails();
```

## Benefits of Method Chaining:

## **Java Method Chaining**

- Improves code readability.
- Reduces boilerplate code.
- Encourages fluent interface design.
- Avoids using unnecessary temporary variables.