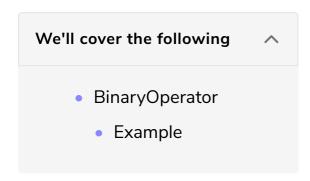
Binary operator

This lesson explores the Binary operator functional interface in Java.



BinaryOperator<T>

BinaryOperator<T> is a functional interface that inherits from BiFunction<T, T, T> interface. The BinaryOperator<T> interface takes only one parameter as compared to BiFunction<T, T, T>, which takes three parameters(two operands type and one result type).

Both the input objects and the result are of the same type in BinaryOperator<T>.

Below are the few interfaces that come under the BinaryOperator<T> category.

BinaryOperator <t></t>	Represents an operation upon two operands of the same type, producing a result of the same type as the operands (reference type)	T apply(T t, T u)
DoubleBinaryOperator	Accepts two double- value operands and produces a double- value result	<pre>double applyAsDouble(double left, double right)</pre>
IntRinaryOperator	Accents two int-value	<pre>int annlvAsInt(int</pre>

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	operands and produces	left, int right)
	an int-value result	
LongBinaryOperator	Accepts two long-value operands and produces a long-value result.	<pre>applyAsLong(long left, long right)</pre>

Example

```
import java.util.function.BinaryOperator;
public class BinaryOperatorDemo {
    public static void main(String args[]) {
        Person person1 = new Person("Alex", 23);
        Person person2 = new Person("Daniel", 56);
        BinaryOperator<Person> operator = (p1, p2) -> {
            p1.name = p2.name;
            p1.age = p2.age;
            return p1;
        };
        operator.apply(person1, person2);
        System.out.println("Person Name: " + person1.getName() + " Person Age: " + person1.getAge(
class Person {
   String name;
   int age;
    Person() {
    Person(String name, int age) {
        this.name = name;
        this.age = age;
    public void setName(String name) {
        this.name = name;
    public void setAge(int age) {
        this.age = age;
    public String getName() {
        return name;
    public int getAge() {
```









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What is the purpose of the BooleanSupplier function interface? Choose all that apply.



What is the return type of a lambda expression?

We need to override which **Predicate** method in Java 8?

Retake Quiz

In the next lesson, we will discuss the capturing lambda expressions .