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Java SE 22 & JDK 22

SUMMARY: NESTED | FIELD | CONSTR | METHOD

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Module java.base

Package java.util.function

Interface BinaryOperator<T>

Type Parameters:

T - the type of the operands and result of the operator

All Superinterfaces:

BiFunction<T,T,T>

Functional Interface:

This is a functional interface and can therefore be used as the assignment target for a lambda expression or method reference.

@FunctionalInterface

public interface BinaryOperator<T>

extends BiFunction<T,T,T>

Represents an operation upon two operands of the same type, producing a result of the same type as the operands. This is a specialization of BiFunction for the case where the operands and the result are all of the same type.

This is a functional interface whose functional method is BiFunction.apply(Object, Object).

Since:

1.8

See Also:

BiFunction, UnaryOperator

Method Summary

Static Metho	de

Modifier and Type	Method	Description
<pre>static <t> BinaryOperator<t></t></t></pre>	<pre>maxBy(Comparator<? super T> comparator)</pre>	Returns a BinaryOperator which returns the greater of two elements according to the specified Comparator.
<pre>static <t> BinaryOperator<t></t></t></pre>	<pre>minBy(Comparator<? super T> comparator)</pre>	Returns a BinaryOperator which returns the lesser of two elements according to the specified Comparator.

Methods declared in interface java.util.function.BiFunction

andThen, apply

Method Details

minBy

static <T> BinaryOperator<T> minBy(Comparator<? super T> comparator)

Returns a BinaryOperator which returns the lesser of two elements according to the specified Comparator.

Type Parameters:

T - the type of the input arguments of the comparator

Parameters:

comparator - a Comparator for comparing the two values

Returns:

a BinaryOperator which returns the lesser of its operands, according to the supplied Comparator

Throws:

NullPointerException - if the argument is null

maxBy

static <T> BinaryOperator<T> maxBy(Comparator<? super T> comparator)

Returns a BinaryOperator which returns the greater of two elements according to the specified Comparator.

Type Parameters:

T - the type of the input arguments of the comparator

Parameters:

comparator - a Comparator for comparing the two values

Returns:

a BinaryOperator which returns the greater of its operands, according to the supplied Comparator

Throws:

NullPointerException - if the argument is null

Report a bug or suggest an enhancement

For further API reference and developer documentation see the Java SE Documentation, which contains more detailed, developer-targeted descriptions with conceptual overviews, definitions of terms, workarounds, and working code examples. Other versions.

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