

# Java API

## Methoden der Klasse Optional<T>

Modifier	Methode	Rückgabotyp
static	of(value: T)	Optional<T>
static	ofNullable(value: T)	Optional<T>
static	empty()	Optional<T>
instance	isPresent()	boolean
instance	isEmpty()	boolean
instance	ifPresent(Consumer<T> consumer)	void
instance	ifPresentOrElse(Consumer<T> present, Consumer<T> empty)	void
instance	get()	T
instance	orElse(T other)	T

## Funktionale Interfaces

Interface	Methode	Rückgabotyp
Predicate<T>	test(T value)	boolean
Function<T, R>	apply(T value)	R
Consumer<T>	accept(T value)	void
Supplier<T>	get()	T
Comparator<T>	compare(T item1, T item2)	int

## Methoden der Klasse Stream<T>

Modifier	Methode	Rückgabotyp
static	of(T... values)	Stream<T>
instance	allMatch(Predicate<T> predicate)	boolean
instance	anyMatch(Predicate<T> predicate)	boolean
instance	noneMatch(Predicate<T> predicate)	boolean
instance	count()	long
instance	collect(Collector<T,A,R> collector)	R

Modifier	Methode	Rückgabotyp
instance	distinct()	Stream<T>
instance	filter(Predicate<T> predicate)	Stream<T>
instance	findAny()	Optional<T>
instance	findFirst()	Optional<T>
instance	forEach(Consumer<T> consumer)	void
instance	limit(long maxSize)	Stream<T>
instance	map(Function<T, R> mapper)	Stream<R>
instance	mapToDouble(Function<T, Double> mapper)	DoubleStream
instance	mapToInt(Function<T, Integer> mapper)	IntStream
instance	mapToLong(Function<T, Long> mapper)	LongStream
instance	max(Comparator<T> comparator)	Optional<T>
instance	min(Comparator<T> comparator)	Optional<T>
instance	skip(long n)	Stream<T>
instance	sorted(Comparator<T> comparator)	Stream<T>
instance	toList()	List<T>

## Methoden der Statistik Klassen (IntStream, LongStream, DoubleStream)

Modifier	Methode	Rückgabotyp
instance	sum()	long
instance	average()	OptionalDouble

## Methoden der Klasse Collectors

Modifier	Methode	Rückgabotyp
static	groupingBy(Function<T, U> mapper)	Map<U, List<T>>
static	toMap(Function<T, U> keyMapper, Function<T, V> valueMapper)	Map<U, V>

## Methoden des Interfaces Collection<T>

Modifier	Methode	Rückgabotyp
instance	<code>stream()</code>	<code>Stream&lt;T&gt;</code>

## Methoden der Klasse Integer

Modifier	Methode	Rückgabotyp
static	<code>valueOf(String value)</code>	<code>int</code>
static	<code>compare(Integer i1, Integer i2)</code>	<code>int</code>

## Methoden der Klasse Double

Modifier	Methode	Rückgabotyp
static	<code>valueOf(String value)</code>	<code>Double</code>
static	<code>compare(Double d1, Double d2)</code>	<code>int</code>

## Methoden der Klasse Long

Modifier	Methode	Rückgabotyp
static	<code>valueOf(String value)</code>	<code>Long</code>
static	<code>compare(Long l1, Long l2)</code>	<code>int</code>

## Methoden des Interfaces Map<K,V>

Modifier	Methode	Rückgabotyp
instance	<code>put(key: K, value: V)</code>	<code>V</code>
instance	<code>keySet()</code>	<code>Set&lt;K&gt;</code>
instance	<code>values()</code>	<code>Collection&lt;V&gt;</code>
instance	<code>entrySet()</code>	<code>Set&lt;Map.Entry&lt;K, V&gt;&gt;</code>

## Methoden der Schnittstelle List<E>

Modifier	Methode	Rückgabotyp
static	<code>of(E... items)</code>	<code>List&lt;E&gt;</code>

# Methoden der Klasse Object

Modifier	Methode	Rückgabotyp
instance	hashCode()	int

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