



Functional Interfaces Cheat Sheet (package: java.util.function)

Provide target types for lambda expressions and method references.

Interfaces	Arguments	Return
Predicate<T>	T	boolean
BiPredicate<T, U>	T, U	
Function<T, R>	T	R
BiFunction<T, U, R>	T, U	
Supplier<T>	–	T
Consumer<T>	T	–
BiConsumer<T, U>	T, U	

Special Interfaces	Arguments	Return
UnaryOperator<T>	T	T
BinaryOperator<T>	T, T	

Primitive Type Prefixes

For: Predicate, Function, Consumer, UnaryOperator and BinaryOperator

When accepts primitive arguments (int, double, long) the interface is prefixed with Int, Double, Long, e.g., LongConsumer, IntFunction, DoubleBinaryOperator.

For: Supplier

The **only interface that returns boolean** primitive, apart from predicate, is BooleanSupplier.

For BiConsumer

Variants that **accept an object and a primitive**: ObjDoubleConsumer, ObjIntConsumer, ObjLongConsumer.

For: Function and BiFunction

When returns a primitive (int, double, long) it is prefixed with ToInt, ToDouble, ToLong, e.g., ToIntFunction, ToDoubleBiFunction.

For: Function

When accepts a primitive and returns another primitive, both prefixes are joined, e.g., IntToDoubleFunction, LongToIntFunction.