Operation	Purpose	Type	Example
map()	Transforms each element in the stream using a given function.	Intermediate	map (n -> n * n) - squares each number
filter()	Selects elements that match a given condition (predicate).	Intermediate	filter(n -> n % 2 == 0) - keeps even numbers
sorted()	Sorts elements in natural order or with a custom comparator.	Intermediate	sorted() - sorts names alphabetically
distinct()	Removes duplicate elements from the stream.	Intermediate	distinct() - removes duplicates
forEach()	Performs an action for each element in the stream.	Terminal	<pre>forEach(System.out::println) - prints all</pre>
findFirst()	Retrieves the first element in the stream (if present).	Terminal	findFirst() - gets the first element
reduce()	Combines all elements into a single result using an accumulator function.	Terminal	<pre>reduce(0, Integer::sum) - sums all numbers</pre>
limit()	Truncates the stream to a specified number of elements.	Intermediate	limit(3) - gets the first 3 elements
skip()	Skips the first n elements in the stream.	Intermediate	skip(2) - skips the first 2 elements
collect()	Converts the stream elements into a collection or another data structure.	Terminal	<pre>collect(Collectors.toList()) - collects to list</pre>
anyMatch()	Checks if any element matches a given predicate.	Terminal	anyMatch(n \rightarrow n > 3) - checks if any > 3
allMatch()	Checks if all elements match a given predicate.	Terminal	allMatch(n \rightarrow n > 0) - checks if all > 0
noneMatch()	Checks if no elements match a given predicate.	Terminal	$\begin{array}{ll} \text{noneMatch(n -> n < 0) - checks if} \\ \text{none} < 0 \end{array}$
peek()	Performs an action on each element as it is processed (debugging).	Intermediate	<pre>peek(System.out::println) - prints during stream</pre>