Module [java.base](https://docs.oracle.com/en/java/javase/16/docs/api/java.base/module-summary.html)

Package [java.util](https://docs.oracle.com/en/java/javase/16/docs/api/java.base/java/util/package-summary.html)

Since: 1.8

# Class IntSummaryStatistics

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**public class IntSummaryStatistics extends Object implements IntConsumer**

A state object for collecting statistics such as count, min, max, sum, and average. This class is designed to work with (though does not require) streams.

It takes a collection of Integer objects and is useful in the circumstances when we are dealing with a stream of integers. It maintains a count of the number of integers it has processed, their sum and various other statistics. It is useful in the sense that it maintains a running sum, average, etc. of the integers and hence can be used in the manipulation of statistical data.

## *Method of IntSummaryStatistics*

* **void accept (int value)** Records a new value into the summary information
* **void combine (IntSummaryStatistics other)** Combines the state of another IntSummaryStatistics into this one.
* **double getAverage()** Returns the arithmetic mean of values recorded, or zero if no values have been recorded.
* **long getCount()** Returns the count of values recorded.
* **int getMax()** Returns the maximum value recorded, or Integer.MIN\_VALUE if no values have been recorded.
* **int getMin()** Returns the minimum value recorded, or Integer.MAX\_VALUE if no values have been recorded.
* **long getSum()** Returns the sum of values recorded, or zero if no values have been recorded.
* **String toString()** Returns a non-empty string representation of this object suitable for debugging.

**Note: - Records meaning statistical data**