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| Modifier and Type | Method and Description |
|  | **Boolean [charAt](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "charAt-int-)**(int index), **[concat](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "concat-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str), **[e](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "endsWith-java.lang.String-)****ndsWith**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) suffix), **[equals](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "equals-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) anObject), **[equalsIgnoreCase](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "equalsIgnoreCase-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) anotherString), **[isEmpty](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "isEmpty--)**(),  **int [length](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "length--)**(), **[HashCode](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "hashCode--)**(), char[] t**[oCharArray](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "toCharArray--)**(),  **String [ToLowerCase](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "toLowerCase--)**(), **[toString](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "toString--)**(), **[toUpperCase](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "toUpperCase--)**(), **[trim](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "trim--)**(), v**[alueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-boolean-)**(boolean b), v**[alueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-char-)**(char c), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-char:A-)**(char[] data), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-char:A-int-int-)**(char[] data, int offset, int count), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-double-)**(double d), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-float-)**(float f), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-int-)**(int i), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-long-)**(long l), **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "valueOf-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) obj), **[intern](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "intern--)**() |
| int | **[compareTo](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "compareTo-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) anotherString), **[compareToIgnoreCase](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "compareToIgnoreCase-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Compares two strings lexicographically. |
| boolean | **[contains](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "contains-java.lang.CharSequence-)**([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) s)  Returns true if and only if this string contains the specified sequence of char values. |
| boolean | **[contentEquals](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "contentEquals-java.lang.CharSequence-)**([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) cs), **[contentEquals](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "contentEquals-java.lang.StringBuffer-)**([**StringBuffer**](https://docs.oracle.com/javase/8/docs/api/java/lang/StringBuffer.html) sb)  Compares this string to the specified CharSequence. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[format](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "format-java.lang.String-java.lang.Object...-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) format, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)... args)  Returns a formatted string using the specified format string and arguments. |
| void | **[getChars](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "getChars-int-int-char:A-int-)**(int srcBegin, int srcEnd, char[] dst, int dstBegin)  Copies characters from this string into the destination character array. |
| int | **[indexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "indexOf-int-)**(int ch),(int ch,int fromIndex),([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str),([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str,int fromIndex) |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[join](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "join-java.lang.CharSequence-java.lang.CharSequence...-)**([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) delimiter, [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html)... elements)  Returns a new String composed of copies of the CharSequence elements joined together with a copy of the specified delimiter. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[join](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "join-java.lang.CharSequence-java.lang.Iterable-)**([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) delimiter, [**Iterable**](https://docs.oracle.com/javase/8/docs/api/java/lang/Iterable.html)<? extends [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html)> elements)  Returns a new String composed of copies of the CharSequence elements joined together with a copy of the specified delimiter. |
| int | **[lastIndexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "lastIndexOf-int-)**(int ch), **[lastIndexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "lastIndexOf-int-int-)**(int ch, int fromIndex), **[lastIndexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "lastIndexOf-java.lang.String-int-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str, int fromIndex) **[lastIndexOf](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "lastIndexOf-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) str)  Returns the index within this string of the last occurrence of the specified character. |
| boolean | **[matches](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "matches-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex)  Tells whether or not this string matches the given **[regular expression](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html" \l "sum)**. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[replace](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "replace-char-char-)**(char oldChar, char newChar)Returns a string resulting from replacing all occurrences of oldChar in this string with newChar. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[replace](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "replace-java.lang.CharSequence-java.lang.CharSequence-)**([**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) target, [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) replacement)  Replaces each substring of this string that matches the literal target sequence with the specified literal replacement sequence. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[replaceAll](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "replaceAll-java.lang.String-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) replacement)Replaces each substring of this string that matches the given **[regular expression](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html" \l "sum)** with the given replacement. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[replaceFirst](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "replaceFirst-java.lang.String-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) replacement)Replaces the first substring of this string that matches the given **[regular expression](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html" \l "sum)** with the given replacement. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html)[] | **[split](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "split-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex), **[split](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "split-java.lang.String-int-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) regex, int limit)  Splits this string around matches of the given **[regular expression](https://docs.oracle.com/javase/8/docs/api/java/util/regex/Pattern.html" \l "sum)**. |
| boolean | **[startsWith](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "startsWith-java.lang.String-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) prefix), **[startsWith](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "startsWith-java.lang.String-int-)**([**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) prefix, int toffset)  Tests if substring of string beginning at the specified index starts with the specified prefix. |
| [**CharSequence**](https://docs.oracle.com/javase/8/docs/api/java/lang/CharSequence.html) | **[subSequence](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "subSequence-int-int-)**(int beginIndex, int endIndex)  Returns a character sequence that is a subsequence of this sequence. |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[substring](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "substring-int-)**(int beginIndex), **[substring](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \l "substring-int-int-)**(int beginIndex, int endIndex)  Returns a string that is a substring of this string. |

Character Class

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| Modifier and Type | Method and Description |
| char | **[CharValue](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "charValue--)**() Returns the value of this Character object. |
| static int | **[compare](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "compare-char-char-)**(char x, char y) Compares two char values numerically. |
| int | **[compareTo](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "compareTo-java.lang.Character-)**([**Character**](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html) anotherCharacter)Compares two Character objects numerically. |
| static int | **[digit](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "digit-char-int-)**(char ch, int radix)  Returns the numeric value of the character ch in the specified radix. |
| static char | **[forDigit](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "forDigit-int-int-)**(int digit, int radix)  Determines the character representation for a specific digit in the specified radix. |
| static byte | **[getDirectionality](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "getDirectionality-char-)**(char ch)  Returns the Unicode directionality property for the given character. |
| static int | **[getType](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "getType-char-)**(char ch)Returns a value indicating a character's general category. |
| int | **[HashCode](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "hashCode--)**(),**[hashCode](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "hashCode-char-)**(char value),**[equals](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "equals-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) obj),**[getNumericValue](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "getNumericValue-char-)**(char ch) |
| static char | **[toLowerCase](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "toLowerCase-char-)**(char ch), t**[oUpperCase](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "toUpperCase-char-)**(char ch) |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[toString](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "toString-char-)**(char c),**[toString](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "toString--)**() |
| **static boolean** | **[isLetter](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isLetter-char-)**(char ch),**[isLetterOrDigit](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isLetterOrDigit-char-)**(char ch),**[isLowerCase](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isLowerCase-char-)**(char ch),**[isDigit](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isDigit-char-)**(char ch),**[isUpperCase](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isUpperCase-char-)**(char ch), **[isWhitespace](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isWhitespace-char-)**(char ch), **[isSpaceChar](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isSpaceChar-char-)(char ch)** |
| static boolean | **[isDefined](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isDefined-char-)**(char ch)Determines if a character is defined in Unicode. |
| static [**Character**](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html) | **[valueOf](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "valueOf-char-)**(char c)Returns a Character instance representing the specified char value. |
| static boolean | **[isIdentifierIgnorable](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isIdentifierIgnorable-char-)**(char ch)Determines if the specified character should be regarded as an ignorable character in a Java identifier or a Unicode identifier. |
| static boolean | **[isISOControl](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isISOControl-char-)**(char ch)Determines if the specified character is an ISO control character. |
| static boolean | **[isJavaIdentifierPart](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isJavaIdentifierPart-char-)**(char ch)Determines if the specified character may be part of a Java identifier as other than the first character. |
| static boolean | **[isJavaIdentifierStart](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "isJavaIdentifierStart-char-)**(char ch)Determines if the specified character is permissible as the first character in a Java identifier. |
| static char | **[reverseBytes](https://docs.oracle.com/javase/8/docs/api/java/lang/Character.html" \l "reverseBytes-char-)**(char ch)Returns the value obtained by reversing the order of the bytes in the specified char value. |

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Arrays

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| Modifier and Type | Method and Description |
| static <T> [**List**](https://docs.oracle.com/javase/8/docs/api/java/util/List.html)<T> | **[asList](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "asList-T...-)**(T... a)  Returns a fixed-size list backed by the specified array. |
| static int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-int:A-int-)**(int[] a, int key)  Searches the specified array of ints for the specified value using the binary search algorithm. |
| static int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-int:A-int-int-int-)**(int[] a, int fromIndex, int toIndex, int key)  Searches a range of the specified array of ints for the specified value using the binary search algorithm. |
| static int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-java.lang.Object:A-int-int-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, int fromIndex, int toIndex, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) key)  Searches a range of the specified array for the specified object using the binary search algorithm. |
| static int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-java.lang.Object:A-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) key)  Searches the specified array for the specified object using the binary search algorithm. |
| static <T> int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-T:A-int-int-T-java.util.Comparator-)**(T[] a, int fromIndex, int toIndex, T key, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> c)  Searches a range of the specified array for the specified object using the binary search algorithm. |
| static <T> int | **[binarySearch](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "binarySearch-T:A-T-java.util.Comparator-)**(T[] a, T key, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> c)  Searches the specified array for the specified object using the binary search algorithm. |
| static boolean[] | **[copyOf](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOf-boolean:A-int-)**(boolean[] original, int newLength)  Copies the specified array, truncating or padding with false (if necessary) so the copy has the specified length. |
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| static char[] | **[copyOf](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOf-char:A-int-)**(char[] original, int newLength) padding with null |
| static double[] | **[copyOf](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOf-double:A-int-)**(double[] original, int newLength), (float[] original, int newLength), (int[] original, int newLength), (long[] original, int newLength), (short[] original, int newLength), (byte[] original, int newLength), padding with zeros |
| static <T> T[] | **[copyOf](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOf-T:A-int-)**(T[] original, int newLength)padding with nulls |
| static <T,U> T[] | **[copyOf](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOf-U:A-int-java.lang.Class-)**(U[] original, int newLength, [**Class**](https://docs.oracle.com/javase/8/docs/api/java/lang/Class.html)<? extends T[]> newType)padding with nulls |
| static boolean[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-boolean:A-int-int-)**(boolean[] original, int from, int to)  Copies the specified range of the specified array into a new array. |
| static byte[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-byte:A-int-int-)**(byte[] original, int from, int to) |
| static char[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-char:A-int-int-)**(char[] original, int from, int to) |
| static double[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-double:A-int-int-)**(double[] original, int from, int to) |
| static float[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-float:A-int-int-)**(float[] original, int from, int to) |
| static int[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-int:A-int-int-)**(int[] original, int from, int to) |
| static long[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-long:A-int-int-)**(long[] original, int from, int to) |
| static short[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-short:A-int-int-)**(short[] original, int from, int to) |
| static <T> T[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-T:A-int-int-)**(T[] original, int from, int to) |
| static <T,U> T[] | **[copyOfRange](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "copyOfRange-U:A-int-int-java.lang.Class-)**(U[] original, int from, int to, [**Class**](https://docs.oracle.com/javase/8/docs/api/java/lang/Class.html)<? extends T[]> newType) |
| static boolean | **[deepEquals](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "deepEquals-java.lang.Object:A-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a1, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a2)  Returns true if the two specified arrays are *deeply equal* to one another. |
| static int | **[deepHashCode](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "deepHashCode-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a)  Returns a hash code based on the "deep contents" of the specified array. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[deepToString](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "deepToString-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a)  Returns a string representation of the "deep contents" of the specified array. |
| static boolean | **[equals](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "equals-int:A-int:A-)**(int[] a, int[] a2)  Returns true if the two specified arrays of ints are *equal* to one another. |
| static boolean | **[equals](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "equals-java.lang.Object:A-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a2)  Returns true if the two specified arrays of Objects are *equal* to one another. |
| static void | **[fill](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "fill-int:A-int-)**(int[] a, int val)  Assigns the specified int value to each element of the specified array of ints. |
| static void | **[fill](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "fill-int:A-int-int-int-)**(int[] a, int fromIndex, int toIndex, int val)  Assigns the specified int value to each element of the specified range of the specified array of ints. |
| static void | **[fill](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "fill-java.lang.Object:A-int-int-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, int fromIndex, int toIndex, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) val)  Assigns the specified Object reference to each element of the specified range of the specified array of Objects. |
| static void | **[fill](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "fill-java.lang.Object:A-java.lang.Object-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, [**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html) val)  Assigns the specified Object reference to each element of the specified array of Objects. |
| static int | **[hashCode](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "hashCode-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a)  Returns a hash code based on the contents of the specified array. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-double:A-java.util.function.DoubleBinaryOperator-)**(double[] array, [**DoubleBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/DoubleBinaryOperator.html) op)  Cumulates, in parallel, each element of the given array in place, using the supplied function. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-double:A-int-int-java.util.function.DoubleBinaryOperator-)**(double[] array, int fromIndex, int toIndex, [**DoubleBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/DoubleBinaryOperator.html) op)  Performs **[parallelPrefix(double[], DoubleBinaryOperator)](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-double:A-java.util.function.DoubleBinaryOperator-)** for the given subrange of the array. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-int:A-java.util.function.IntBinaryOperator-)**(int[] array, [**IntBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntBinaryOperator.html) op)  Cumulates, in parallel, each element of the given array in place, using the supplied function. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-int:A-int-int-java.util.function.IntBinaryOperator-)**(int[] array, int fromIndex, int toIndex, [**IntBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntBinaryOperator.html) op)  Performs **[parallelPrefix(int[], IntBinaryOperator)](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-int:A-java.util.function.IntBinaryOperator-)** for the given subrange of the array. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-long:A-int-int-java.util.function.LongBinaryOperator-)**(long[] array, int fromIndex, int toIndex, [**LongBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/LongBinaryOperator.html) op)  Performs **[parallelPrefix(long[], LongBinaryOperator)](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-long:A-java.util.function.LongBinaryOperator-)** for the given subrange of the array. |
| static void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-long:A-java.util.function.LongBinaryOperator-)**(long[] array, [**LongBinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/LongBinaryOperator.html) op)  Cumulates, in parallel, each element of the given array in place, using the supplied function. |
| static <T> void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-T:A-java.util.function.BinaryOperator-)**(T[] array, [**BinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/BinaryOperator.html)<T> op)  Cumulates, in parallel, each element of the given array in place, using the supplied function. |
| static <T> void | **[parallelPrefix](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-T:A-int-int-java.util.function.BinaryOperator-)**(T[] array, int fromIndex, int toIndex, [**BinaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/BinaryOperator.html)<T> op)  Performs **[parallelPrefix(Object[], BinaryOperator)](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelPrefix-T:A-java.util.function.BinaryOperator-)** for the given subrange of the array. |
| static void | **[parallelSetAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSetAll-double:A-java.util.function.IntToDoubleFunction-)**(double[] array, [**IntToDoubleFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntToDoubleFunction.html) generator)  Set all elements of the specified array, in parallel, using the provided generator function to compute each element. |
| static void | **[parallelSetAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSetAll-int:A-java.util.function.IntUnaryOperator-)**(int[] array, [**IntUnaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntUnaryOperator.html) generator)  Set all elements of the specified array, in parallel, using the provided generator function to compute each element. |
| static void | **[parallelSetAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSetAll-long:A-java.util.function.IntToLongFunction-)**(long[] array, [**IntToLongFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntToLongFunction.html) generator)  Set all elements of the specified array, in parallel, using the provided generator function to compute each element. |
| static <T> void | **[parallelSetAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSetAll-T:A-java.util.function.IntFunction-)**(T[] array, [**IntFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntFunction.html)<? extends T> generator)  Set all elements of the specified array, in parallel, using the provided generator function to compute each element. |
| static void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-int:A-)**(int[] a)  Sorts the specified array into ascending numerical order. |
| static void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-int:A-int-int-)**(int[] a, int fromIndex, int toIndex)  Sorts the specified range of the array into ascending numerical order. |
| static <T extends [**Comparable**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html)<? super T>> void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-T:A-)**(T[] a)  Sorts the specified array of objects into ascending order, according to the [**natural ordering**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html) of its elements. |
| static <T> void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-T:A-java.util.Comparator-)**(T[] a, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> cmp)  Sorts the specified array of objects according to the order induced by the specified comparator. |
| static <T extends [**Comparable**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html)<? super T>> void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-T:A-int-int-)**(T[] a, int fromIndex, int toIndex)  Sorts the specified range of the specified array of objects into ascending order, according to the [**natural ordering**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html) of its elements. |
| static <T> void | **[parallelSort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "parallelSort-T:A-int-int-java.util.Comparator-)**(T[] a, int fromIndex, int toIndex, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> cmp)  Sorts the specified range of the specified array of objects according to the order induced by the specified comparator. |
| static void | **[setAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "setAll-double:A-java.util.function.IntToDoubleFunction-)**(double[] array, [**IntToDoubleFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntToDoubleFunction.html) generator)  Set all elements of the specified array, using the provided generator function to compute each element. |
| static void | **[setAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "setAll-int:A-java.util.function.IntUnaryOperator-)**(int[] array, [**IntUnaryOperator**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntUnaryOperator.html) generator) |
| static void | **[setAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "setAll-long:A-java.util.function.IntToLongFunction-)**(long[] array, [**IntToLongFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntToLongFunction.html) generator) |
| static <T> void | **[setAll](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "setAll-T:A-java.util.function.IntFunction-)**(T[] array, [**IntFunction**](https://docs.oracle.com/javase/8/docs/api/java/util/function/IntFunction.html)<? extends T> generator) |
| static void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-int:A-)**(int[] a)  Sorts the specified array into ascending numerical order. |
| static void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-int:A-int-int-)**(int[] a, int fromIndex, int toIndex)  Sorts the specified range of the array into ascending order. |
| static void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a)  Sorts the specified array of objects into ascending order, according to the [**natural ordering**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html) of its elements. |
| static void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-java.lang.Object:A-int-int-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a, int fromIndex, int toIndex)  Sorts the specified range of the specified array of objects into ascending order, according to the [**natural ordering**](https://docs.oracle.com/javase/8/docs/api/java/lang/Comparable.html) of its elements. |
| static <T> void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-T:A-java.util.Comparator-)**(T[] a, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> c)  Sorts the specified array of objects according to the order induced by the specified comparator. |
| static <T> void | **[sort](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "sort-T:A-int-int-java.util.Comparator-)**(T[] a, int fromIndex, int toIndex, [**Comparator**](https://docs.oracle.com/javase/8/docs/api/java/util/Comparator.html)<? super T> c)  Sorts the specified range of the specified array of objects according to the order induced by the specified comparator. |
| static [**Spliterator.OfInt**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.OfInt.html) | **[spliterator](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "spliterator-int:A-)**(int[] array)  Returns a [**Spliterator.OfInt**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.OfInt.html) covering all of the specified array. |
| static [**Spliterator.OfInt**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.OfInt.html) | **[spliterator](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "spliterator-int:A-int-int-)**(int[] array, int startInclusive, int endExclusive)  Returns a [**Spliterator.OfInt**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.OfInt.html) covering the specified range of the specified array. |
| static <T> [**Spliterator**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.html)<T> | **[spliterator](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "spliterator-T:A-)**(T[] array)  Returns a [**Spliterator**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.html) covering all of the specified array. |
| static <T> [**Spliterator**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.html)<T> | **[spliterator](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "spliterator-T:A-int-int-)**(T[] array, int startInclusive, int endExclusive)  Returns a [**Spliterator**](https://docs.oracle.com/javase/8/docs/api/java/util/Spliterator.html) covering the specified range of the specified array. |
| static [**IntStream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/IntStream.html) | **[stream](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "stream-int:A-)**(int[] array)  Returns a sequential [**IntStream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/IntStream.html) with the specified array as its source. |
| static [**IntStream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/IntStream.html) | **[stream](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "stream-int:A-int-int-)**(int[] array, int startInclusive, int endExclusive)  Returns a sequential [**IntStream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/IntStream.html) with the specified range of the specified array as its source. |
| static <T> [**Stream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/Stream.html)<T> | **[stream](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "stream-T:A-)**(T[] array)  Returns a sequential [**Stream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/Stream.html) with the specified array as its source. |
| static <T> [**Stream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/Stream.html)<T> | **[stream](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "stream-T:A-int-int-)**(T[] array, int startInclusive, int endExclusive)  Returns a sequential [**Stream**](https://docs.oracle.com/javase/8/docs/api/java/util/stream/Stream.html) with the specified range of the specified array as its source. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[toString](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "toString-int:A-)**(int[] a)  Returns a string representation of the contents of the specified array. |
| static [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | **[toString](https://docs.oracle.com/javase/8/docs/api/java/util/Arrays.html" \l "toString-java.lang.Object:A-)**([**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)[] a)  Returns a string representation of the contents of the specified array. |