| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FieldPosition.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/text/DecimalFormatSymbols.html)   [**NEXT CLASS**](http://docs.google.com/java/text/Format.html) | [**FRAMES**](http://docs.google.com/index.html?java/text/FieldPosition.html)    [**NO FRAMES**](http://docs.google.com/FieldPosition.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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## **java.text**

Class FieldPosition

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.text.FieldPosition**

public class **FieldPosition**extends [Object](http://docs.google.com/java/lang/Object.html)

FieldPosition is a simple class used by Format and its subclasses to identify fields in formatted output. Fields can be identified in two ways:

* By an integer constant, whose names typically end with \_FIELD. The constants are defined in the various subclasses of Format.
* By a Format.Field constant, see ERA\_FIELD and its friends in DateFormat for an example.

FieldPosition keeps track of the position of the field within the formatted output with two indices: the index of the first character of the field and the index of the last character of the field.

One version of the format method in the various Format classes requires a FieldPosition object as an argument. You use this format method to perform partial formatting or to get information about the formatted output (such as the position of a field).

If you are interested in the positions of all attributes in the formatted string use the Format method formatToCharacterIterator.

**See Also:**[Format](http://docs.google.com/java/text/Format.html)

| **Constructor Summary** | |
| --- | --- |
| [**FieldPosition**](http://docs.google.com/java/text/FieldPosition.html#FieldPosition(java.text.Format.Field))([Format.Field](http://docs.google.com/java/text/Format.Field.html) attribute)            Creates a FieldPosition object for the given field constant. |
| [**FieldPosition**](http://docs.google.com/java/text/FieldPosition.html#FieldPosition(java.text.Format.Field,%20int))([Format.Field](http://docs.google.com/java/text/Format.Field.html) attribute, int fieldID)            Creates a FieldPosition object for the given field. |
| [**FieldPosition**](http://docs.google.com/java/text/FieldPosition.html#FieldPosition(int))(int field)            Creates a FieldPosition object for the given field. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/text/FieldPosition.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Overrides equals |
| int | [**getBeginIndex**](http://docs.google.com/java/text/FieldPosition.html#getBeginIndex())()            Retrieves the index of the first character in the requested field. |
| int | [**getEndIndex**](http://docs.google.com/java/text/FieldPosition.html#getEndIndex())()            Retrieves the index of the character following the last character in the requested field. |
| int | [**getField**](http://docs.google.com/java/text/FieldPosition.html#getField())()            Retrieves the field identifier. |
| [Format.Field](http://docs.google.com/java/text/Format.Field.html) | [**getFieldAttribute**](http://docs.google.com/java/text/FieldPosition.html#getFieldAttribute())()            Returns the field identifier as an attribute constant from one of the Field subclasses. |
| int | [**hashCode**](http://docs.google.com/java/text/FieldPosition.html#hashCode())()            Returns a hash code for this FieldPosition. |
| void | [**setBeginIndex**](http://docs.google.com/java/text/FieldPosition.html#setBeginIndex(int))(int bi)            Sets the begin index. |
| void | [**setEndIndex**](http://docs.google.com/java/text/FieldPosition.html#setEndIndex(int))(int ei)            Sets the end index. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/text/FieldPosition.html#toString())()            Return a string representation of this FieldPosition. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### FieldPosition

public **FieldPosition**(int field)

Creates a FieldPosition object for the given field. Fields are identified by constants, whose names typically end with \_FIELD, in the various subclasses of Format.

**See Also:**[NumberFormat.INTEGER\_FIELD](http://docs.google.com/java/text/NumberFormat.html#INTEGER_FIELD), [NumberFormat.FRACTION\_FIELD](http://docs.google.com/java/text/NumberFormat.html#FRACTION_FIELD), [DateFormat.YEAR\_FIELD](http://docs.google.com/java/text/DateFormat.html#YEAR_FIELD), [DateFormat.MONTH\_FIELD](http://docs.google.com/java/text/DateFormat.html#MONTH_FIELD)

### FieldPosition

public **FieldPosition**([Format.Field](http://docs.google.com/java/text/Format.Field.html) attribute)

Creates a FieldPosition object for the given field constant. Fields are identified by constants defined in the various Format subclasses. This is equivalent to calling new FieldPosition(attribute, -1).

**Parameters:**attribute - Format.Field constant identifying a field**Since:** 1.4

### FieldPosition

public **FieldPosition**([Format.Field](http://docs.google.com/java/text/Format.Field.html) attribute,  
 int fieldID)

Creates a FieldPosition object for the given field. The field is identified by an attribute constant from one of the Field subclasses as well as an integer field ID defined by the Format subclasses. Format subclasses that are aware of Field should give precedence to attribute and ignore fieldID if attribute is not null. However, older Format subclasses may not be aware of Field and rely on fieldID. If the field has no corresponding integer constant, fieldID should be -1.

**Parameters:**attribute - Format.Field constant identifying a fieldfieldID - integer constantce identifying a field**Since:** 1.4

| **Method Detail** |
| --- |

### getFieldAttribute

public [Format.Field](http://docs.google.com/java/text/Format.Field.html) **getFieldAttribute**()

Returns the field identifier as an attribute constant from one of the Field subclasses. May return null if the field is specified only by an integer field ID.

**Returns:**Identifier for the field**Since:** 1.4

### getField

public int **getField**()

Retrieves the field identifier.

### getBeginIndex

public int **getBeginIndex**()

Retrieves the index of the first character in the requested field.

### getEndIndex

public int **getEndIndex**()

Retrieves the index of the character following the last character in the requested field.

### setBeginIndex

public void **setBeginIndex**(int bi)

Sets the begin index. For use by subclasses of Format.

**Since:** 1.2

### setEndIndex

public void **setEndIndex**(int ei)

Sets the end index. For use by subclasses of Format.

**Since:** 1.2

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Overrides equals

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the reference object with which to compare. **Returns:**true if this object is the same as the obj argument; false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns a hash code for this FieldPosition.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this object**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Return a string representation of this FieldPosition.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of this object

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FieldPosition.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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