| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Currency.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/util/ConcurrentModificationException.html)   [**NEXT CLASS**](http://docs.google.com/java/util/Date.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/Currency.html)    [**NO FRAMES**](http://docs.google.com/Currency.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#tyjcwt) |

## **java.util**

Class Currency

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public final class **Currency**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

Represents a currency. Currencies are identified by their ISO 4217 currency codes. Visit the  [BSi web site](http://www.bsi-global.com/) for more information, including a table of currency codes.

The class is designed so that there's never more than one Currency instance for any given currency. Therefore, there's no public constructor. You obtain a Currency instance using the getInstance methods.

**Since:** 1.4 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.util.Currency)

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getCurrencyCode**](http://docs.google.com/java/util/Currency.html#getCurrencyCode())()            Gets the ISO 4217 currency code of this currency. |
| int | [**getDefaultFractionDigits**](http://docs.google.com/java/util/Currency.html#getDefaultFractionDigits())()            Gets the default number of fraction digits used with this currency. |
| static [Currency](http://docs.google.com/java/util/Currency.html) | [**getInstance**](http://docs.google.com/java/util/Currency.html#getInstance(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns the Currency instance for the country of the given locale. |
| static [Currency](http://docs.google.com/java/util/Currency.html) | [**getInstance**](http://docs.google.com/java/util/Currency.html#getInstance(java.lang.String))([String](http://docs.google.com/java/lang/String.html) currencyCode)            Returns the Currency instance for the given currency code. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSymbol**](http://docs.google.com/java/util/Currency.html#getSymbol())()            Gets the symbol of this currency for the default locale. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSymbol**](http://docs.google.com/java/util/Currency.html#getSymbol(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Gets the symbol of this currency for the specified locale. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/util/Currency.html#toString())()            Returns the ISO 4217 currency code of this currency. |

| **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()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [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)) |

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

### getInstance

public static [Currency](http://docs.google.com/java/util/Currency.html) **getInstance**([String](http://docs.google.com/java/lang/String.html) currencyCode)

Returns the Currency instance for the given currency code.

**Parameters:**currencyCode - the ISO 4217 code of the currency **Returns:**the Currency instance for the given currency code **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if currencyCode is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if currencyCode is not a supported ISO 4217 code.

### getInstance

public static [Currency](http://docs.google.com/java/util/Currency.html) **getInstance**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns the Currency instance for the country of the given locale. The language and variant components of the locale are ignored. The result may vary over time, as countries change their currencies. For example, for the original member countries of the European Monetary Union, the method returns the old national currencies until December 31, 2001, and the Euro from January 1, 2002, local time of the respective countries.

The method returns null for territories that don't have a currency, such as Antarctica.

**Parameters:**locale - the locale for whose country a Currency instance is needed **Returns:**the Currency instance for the country of the given locale, or null **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale or its country code is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the country of the given locale is not a supported ISO 3166 country code.

### getCurrencyCode

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

Gets the ISO 4217 currency code of this currency.

**Returns:**the ISO 4217 currency code of this currency.

### getSymbol

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

Gets the symbol of this currency for the default locale. For example, for the US Dollar, the symbol is "$" if the default locale is the US, while for other locales it may be "US$". If no symbol can be determined, the ISO 4217 currency code is returned.

**Returns:**the symbol of this currency for the default locale

### getSymbol

public [String](http://docs.google.com/java/lang/String.html) **getSymbol**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Gets the symbol of this currency for the specified locale. For example, for the US Dollar, the symbol is "$" if the specified locale is the US, while for other locales it may be "US$". If no symbol can be determined, the ISO 4217 currency code is returned.

**Parameters:**locale - the locale for which a display name for this currency is needed **Returns:**the symbol of this currency for the specified locale **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null

### getDefaultFractionDigits

public int **getDefaultFractionDigits**()

Gets the default number of fraction digits used with this currency. For example, the default number of fraction digits for the Euro is 2, while for the Japanese Yen it's 0. In the case of pseudo-currencies, such as IMF Special Drawing Rights, -1 is returned.

**Returns:**the default number of fraction digits used with this currency

### toString

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

Returns the ISO 4217 currency code of this currency.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the ISO 4217 currency code of this currency

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Currency.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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