| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Enum.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/lang//class-useEnum.html)    [**NO FRAMES**](http://docs.google.com/Enum.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.lang.Enum**

| Packages that use [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| [**java.lang**](#3znysh7) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.util**](#2et92p0) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |

| Uses of [Enum](http://docs.google.com/java/lang/Enum.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Classes in [java.lang](http://docs.google.com/java/lang/package-summary.html) with type parameters of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| class | [**Enum<E extends Enum<E>>**](http://docs.google.com/java/lang/Enum.html)            This is the common base class of all Java language enumeration types. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with type parameters of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| static   | <T extends [Enum](http://docs.google.com/java/lang/Enum.html)<T>>  T | | --- | | **Enum.**[**valueOf**](http://docs.google.com/java/lang/Enum.html#valueOf(java.lang.Class,%20java.lang.String))([Class](http://docs.google.com/java/lang/Class.html)<T> enumType, [String](http://docs.google.com/java/lang/String.html) name)            Returns the enum constant of the specified enum type with the specified name. |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return types with arguments of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| [Class](http://docs.google.com/java/lang/Class.html)<? extends [Enum](http://docs.google.com/java/lang/Enum.html)> | **EnumConstantNotPresentException.**[**enumType**](http://docs.google.com/java/lang/EnumConstantNotPresentException.html#enumType())()            Returns the type of the missing enum constant. |

| Constructor parameters in [java.lang](http://docs.google.com/java/lang/package-summary.html) with type arguments of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| [**EnumConstantNotPresentException**](http://docs.google.com/java/lang/EnumConstantNotPresentException.html#EnumConstantNotPresentException(java.lang.Class,%20java.lang.String))([Class](http://docs.google.com/java/lang/Class.html)<? extends [Enum](http://docs.google.com/java/lang/Enum.html)> enumType, [String](http://docs.google.com/java/lang/String.html) constantName)            Constructs an EnumConstantNotPresentException for the specified constant. |

| Uses of [Enum](http://docs.google.com/java/lang/Enum.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) with type parameters of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| class | [**EnumMap<K extends Enum<K>,V>**](http://docs.google.com/java/util/EnumMap.html)            A specialized [Map](http://docs.google.com/java/util/Map.html) implementation for use with enum type keys. |
| class | [**EnumSet<E extends Enum<E>>**](http://docs.google.com/java/util/EnumSet.html)            A specialized [Set](http://docs.google.com/java/util/Set.html) implementation for use with enum types. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with type parameters of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**allOf**](http://docs.google.com/java/util/EnumSet.html#allOf(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<E> elementType)            Creates an enum set containing all of the elements in the specified element type. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**complementOf**](http://docs.google.com/java/util/EnumSet.html#complementOf(java.util.EnumSet))([EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> s)            Creates an enum set with the same element type as the specified enum set, initially containing all the elements of this type that are *not* contained in the specified set. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**copyOf**](http://docs.google.com/java/util/EnumSet.html#copyOf(java.util.Collection))([Collection](http://docs.google.com/java/util/Collection.html)<E> c)            Creates an enum set initialized from the specified collection. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**copyOf**](http://docs.google.com/java/util/EnumSet.html#copyOf(java.util.EnumSet))([EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> s)            Creates an enum set with the same element type as the specified enum set, initially containing the same elements (if any). |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**noneOf**](http://docs.google.com/java/util/EnumSet.html#noneOf(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<E> elementType)            Creates an empty enum set with the specified element type. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E))(E e)            Creates an enum set initially containing the specified element. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E...))(E first, E... rest)            Creates an enum set initially containing the specified elements. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E))(E e1, E e2)            Creates an enum set initially containing the specified elements. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E,%20E))(E e1, E e2, E e3)            Creates an enum set initially containing the specified elements. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E,%20E,%20E))(E e1, E e2, E e3, E e4)            Creates an enum set initially containing the specified elements. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E,%20E,%20E,%20E))(E e1, E e2, E e3, E e4, E e5)            Creates an enum set initially containing the specified elements. |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**range**](http://docs.google.com/java/util/EnumSet.html#range(E,%20E))(E from, E to)            Creates an enum set initially containing all of the elements in the range defined by the two specified endpoints. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [Enum](http://docs.google.com/java/lang/Enum.html) | |
| --- | --- |
| static   | <E extends [Enum](http://docs.google.com/java/lang/Enum.html)<E>>  [EnumSet](http://docs.google.com/java/util/EnumSet.html)<E> | | --- | | **EnumSet.**[**of**](http://docs.google.com/java/util/EnumSet.html#of(E,%20E...))(E first, E... rest)            Creates an enum set initially containing the specified elements. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Enum.html) | **Use** | [**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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