

Enum Kind

```
java.lang.Object
  java.lang.Enum<Kind>
    com.sun.btrace.annotations.Kind
```

All Implemented Interfaces:

```
java.io.Serializable, java.lang.Comparable<Kind>
```

```
public enum Kind
extends java.lang.Enum<Kind>
    在@Location注解中指定“探测点”类型
```

This enum is specified in the Location annotation to specify probe point kind. This enum identifies various "points" of interest within a Java method's bytecode.

Author: 用途：识别“Java方法的字节码”中的各种各样的“感兴趣的点”
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Enum Constant Summary 枚举常量概述

Enum Constants

Enum Constant and Description

ARRAY_GET
array element load 访问“数组元素”

ARRAY_SET
array element store 设置“数组元素”

CALL
method call “方法”调用

CATCH
exception catch “异常”捕获

CHECKCAST
checkcast

ENTRY
method entry “方法”进入

ERROR
"return" because of no-catch “异常”未捕获而返回

FIELD_GET
getting a field value 访问一个“字段值”

FIELD_SET
setting a field value 设置一个“字段值”

INSTANCEOF

instanceof check

LINE

source line number 源代码行号

NEW

new object created “新对象”创建

NEWARRAY

new array created

RETURN

return from method “方法”返回

SYNC_ENTRY

entry into a synchronized block 进入“一个同步语句块”

SYNC_EXIT

exit from a synchronized block 退出“一个同步语句块”

THROW

throwing an exception 抛出“一个异常”

Method Summary 方法概述

All Methods	Static Methods	Concrete Methods
Modifier and Type		
Method and Description		
static Kind	<u>valueOf</u> (java.lang.String <u>name</u>) Returns the enum constant of this type with the specified name.	
static Kind[]	<u>values</u> () Returns an array containing the constants of this enum type, in the order they are declared.	

Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

Enum Constant Detail

ARRAY_GET

```
public static final Kind THROW
```

throwing an exception

Method Detail

values

```
public static Kind[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (Kind c : Kind.values())  
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

valueOf

```
public static Kind valueOf(java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

java.lang.IllegalArgumentException - if this enum type has no constant with the specified name

java.lang.NullPointerException - if the argument is null