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jminusminus

## Class ArrayTypeName

- [java.lang.Object](#)
  - [jminusminus.Type](#)
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```
class ArrayTypeName
extends Type
```

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The (temporary) representation of an array's type. It is built by the Parser to stand in for a Type until analyze(), at which point it is resolved to an actual Type object (having a Class that identifies it).

- **Field Summary**

- **Fields inherited from class jminusminus.Type**

ANY, BOOLEAN, BOXED\_BOOLEAN, BOXED\_CHAR, BOXED\_INT, CHAR, CONSTRUCTOR, INT, NULLTYPE, OBJECT, STRING, VOID

- **Constructor Summary**

Constructors

**Constructor and Description**

```
ArrayTypeName(Type componentType)
```

Construct an array's type given its component type.

- **Method Summary**

Methods

**Modifier and**

**Method and Description**

## Type

Type	<b>componentType()</b> Return the (component) type of its elements.
Type	<b>resolve(Context context)</b> Resolve this type in the given context.
String	<b>toDescriptor()</b> Return the JVM descriptor for this type.
String	<b>toString()</b> A string representation of the type in Java form.

- **Methods inherited from class `jminusminus.Type`**

`abstractMethods, argTypesAsString, argTypesMatch, argumentTypeForAppend, checkAccess, checkAccess, checkAccess, classRep, constructorFor, equals, fieldFor, isAbstract, isArray, isFinal, isInterface, isJavaAssignableFrom, isPrimitive, isReference, jvmName, matchesExpected, methodFor, mustMatchExpected, mustMatchOneOf, packageName, setClassRep, signatureFor, simpleName, superClass, typeFor`

- **Methods inherited from class `java.lang.Object`**

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait`

- **Constructor Detail**

- **ArrayTypeName**

`publicArrayTypeName(TypecomponentType)`

Construct an array's type given its component type.

**Parameters:**

`componentType` - the type of its elements.

- **Method Detail**

- **componentType**

`publicTypecomponentType()`

Return the (component) type of its elements.

**Overrides:**

`componentType` in class `Type`

**Returns:**

the component type.

- **toDescriptor**

`publicStringtoDescriptor()`

Return the JVM descriptor for this type.

**Overrides:**

`toDescriptor` in class `Type`

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**Returns:**

the descriptor.

- **toString**

```
publicStringtoString()
```

A string representation of the type in Java form.

**Overrides:**

`toString` in class `Type`

**Returns:**

the representation in Java form.

- **resolve**

```
publicTyperesolve(Contextcontext)
```

Resolve this type in the given context.

**Overrides:**

`resolve` in class `Type`

**Parameters:**

`context` - context in which the names are resolved.

**Returns:**

the resolved type.

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