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jminusminus

Class CLAttributeInfo

- `java.lang.Object`
 - `jminusminus.CLAttributeInfo`
- Direct Known Subclasses:
 - `CLAnnotationDefaultAttribute`, `CLCodeAttribute`, `CLConstantValueAttribute`, `CLDeprecatedAttribute`, `CLEnclosingMethodAttribute`, `CLExceptionsAttribute`, `CLInnerClassesAttribute`, `CLLineNumberTableAttribute`, `CLLocalVariableTableAttribute`, `CLLocalVariableTypeTableAttribute`, `CLRuntimeInvisibleAnnotationsAttribute`, `CLRuntimeInvisibleParameterAnnotationsAttribute`, `CLRuntimeVisibleAnnotationsAttribute`, `CLRuntimeVisibleParameterAnnotationsAttribute`, `CLSignatureAttribute`, `CLSourceDebugExtensionAttribute`, `CLSourceFileAttribute`, `CLSyntheticAttribute`

```
abstract class CLAttributeInfo
extends Object
```

Representation of attribute_info structure (JVM Spec Section 4.8). Classes representing individual attributes inherit this class. This file has representations for all attributes specified in JVM Spec Second Edition, including the ones that were added for JDK 1.5. Attributes are used in the ClassFile (CLFile), field_info (CLFieldInfo), method_info (CLMethodInfo), and Code_attribute (CLCodeAttribute) structures of the class file format. While there are many kinds of attributes, only some are mandatory; these include: InnerClasses_attribute (class attribute) Synthetic_attribute (class, field, and method attribute) Code_attribute (method attribute) Exceptions_attribute (method attribute) CLAbsorber is capable of reading all attributes listed in this file. The ones which it does not recognize, it simply skips them and reports a warning to that extent. CLEmitter implicitly adds the required attributes to the appropriate structure. The optional attributes have to be added explicitly using the addClassAttribute(), addFieldAttribute(), addMethodAttribute(), and addCodeAttribute() methods in CLEmitter.

- **Field Summary**

Fields	
Modifier and Type	Field and Description
long	attributeLength attribute_info.attribute_length item.
int	attributeNameIndex attribute_info.attribute_name_index item.

- **Constructor Summary**

Constructors	
Modifier	Constructor and Description
protected	CLAttributeInfo (int attributeNameIndex, long attributeLength) Construct an CLAttributeInfo object.

- **Method Summary**

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Methods	
Modifier and Type	Method and Description
void	write (OutputStream out) Write the contents of this attribute to the specified output stream.
void	writeToStdout (PrettyPrinter p) Write the contents of this attribute to STDOUT in a format similar to that of javap.

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

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

- **Field Detail**

- **attributeNameIndex**

public int attributeNameIndex

attribute_info.attribute_name_index item.

- **attributeLength**

public long attributeLength

attribute_info.attribute_length item.

- **Constructor Detail**

- **CLAttributeInfo**

protected CLAttributeInfo(int attributeNameIndex,

longattributeLength)

Construct an CLAttributeInfo object.

Parameters:

attributeNameIndex - attribute_info.attribute_name_index item.
attributeLength - attribute_info.attribute_length item.

- **Method Detail**

- **write**

publicvoidwrite(CLOutputStreamout)
throws IOException

Write the contents of this attribute to the specified output stream.

Parameters:

out - output stream.

Throws:

IOException - if an error occurs while writing.

- **writeToStdOut**

publicvoidwriteToStdOut(PrettyPrinterp)

Write the contents of this attribute to STDOUT in a format similar to that of
javap.

Parameters:

p - for pretty printing with indentation.

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