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jminusminus

## Class CLCodeAttribute

- [java.lang.Object](#)
  - [jminusminus.CLObjectAttributeInfo](#)
    - [jminusminus.CLCodeAttribute](#)

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```
class CLCodeAttribute  
extends CLAttributeInfo
```

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Representation of Code\_attribute structure (JVM Spec Section 4.8.2). This is a required method attribute.

### • Field Summary

Fields	
Modifier and Type	Field and Description
<code>ArrayList&lt;CLAttributeInfo&gt;</code>	<b>attributes</b> Code_attribute.attributes item.
<code>int</code>	<b>attributesCount</b> Code_attribute.attributes_count item.
<code>ArrayList&lt;Integer&gt;</code>	<b>code</b> Code_attribute.code item.
<code>long</code>	<b>codeLength</b> Code_attribute.code_length item.
<code>ArrayList&lt;CLExceptionInfo&gt;</code>	<b>exceptionTable</b> Code_attribute.exception_table item.
<code>int</code>	<b>exceptionTableLength</b>

Code\_attribute.exception\_table\_length  
item.

int	<b>maxLocals</b> Code_attribute.max_locals item.
-----	---

int	<b>maxStack</b> Code_attribute.max_stack item.
-----	---

- **Fields inherited from class `javax.minusminus.CLAtributeInfo`**  
`attributeLength`, `attributeNameIndex`

- **Constructor Summary**

Constructors  
**Constructor and Description**

```
CLCodeAttribute(int attributeNameIndex,  
long attributeLength, int maxStack, int maxLocals,  
long codeLength, ArrayList<Integer> code,  
int exceptionTableLength,  
ArrayList<CLExceptionInfo> exceptionTable,  
int attributesCount, ArrayList<CLAtributeInfo> attributes)  
Construct a CLCodeAttribute object.
```

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- **Method Summary**

Methods

Modifier and Type	Method and Description
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void	<b>write</b> ( <code>OutputStream</code> out) Write the contents of this attribute to the specified output stream.
------	---

void	<b>writeToStdout</b> ( <code>PrettyPrinter</code> 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**

- **maxStack**

public int maxStack

Code\_attribute.max\_stack item.

- **maxLocals**

public int maxLocals

Code\_attribute.max\_locals item.

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- **codeLength**

public long codeLength

Code\_attribute.code\_length item.

- **code**

public ArrayList<Integer> code

Code\_attribute.code item.

- **exceptionTableLength**

public int exceptionTableLength

Code\_attribute.exception\_table\_length item.

- **exceptionTable**

public ArrayList<CLErrorInfo> exceptionTable

Code\_attribute.exception\_table item.

- **attributesCount**

public int attributesCount

Code\_attribute.attributes\_count item.

- **attributes**

public ArrayList<CLAttributeInfo> attributes

Code\_attribute.attributes item.

- **Constructor Detail**

- **CLCodeAttribute**

```
public CLCodeAttribute(int attributeNameIndex,
    long attributeLength,
    int maxStack,
    int maxLocals,
    long codeLength,
    ArrayList<Integer> code,
    int exceptionTableLength,
    ArrayList<CLErrorInfo> exceptionTable,
    int attributesCount,
    ArrayList<CLAttributeInfo> attributes)
```

Construct a CLCodeAttribute object.

**Parameters:**

- attributeNameIndex - Code\_attribute.attribute\_name\_index item.
- attributeLength - Code\_attribute.attribute\_length item.
- maxStack - Code\_attribute.max\_stack item.
- maxLocals - Code\_attribute.max\_locals item.
- codeLength - Code\_attribute.code\_length item.
- code - Code\_attribute.code item.
- exceptionTableLength - Code\_attribute.exception\_table\_length item.
- exceptionTable - Code\_attribute.exception\_table item.
- attributesCount - Code\_attribute.attributes\_count item.
- attributes - Code\_attribute.attributes item.

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- **Method Detail**

- **write**

```
public void write(CLOutputStream out)
    throws IOException
```

**Description copied from class: `CLAttributeInfo`**

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

**Overrides:**

`write` in class `CLAttributeInfo`

**Parameters:**

out - output stream.

**Throws:**

`IOException` - if an error occurs while writing.

- **writeToStdOut**

```
public void writeToStdOut(PrettyPrinter p)
```

**Description copied from class: `CLAttributeInfo`**

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

**Overrides:**

`writeToStdOut` in class `CLAttributeInfo`

**Parameters:**

p - for pretty printing with indentation.

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