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jminusminus

Class CLEException

- [java.lang.Object](#)
- [jminusminus.CLEException](#)

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```
class CLEException  
extends Object
```

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Representation of an exception handler.

• Field Summary

Fields	
Modifier and Type	Field and Description
String	catchType The class of exceptions that this exception handler is designated to catch.
String	endLabel this instruction.
int	endPC endLabel is resolved to this value.
String	handlerLabel Instruction after this label is first instruction of the handler.
int	handlerPC handlerLabel is resolved to this value.
String	startLabel

The exception handler is active from this instruction in the code section of the current method being added to ...

```
int      startPC
        startLabel is resolved to this value.
```

- **Constructor Summary**

Constructors

Constructor and Description

```
CLEException(String startLabel, String endLabel,
String handlerLabel, String catchType)
Construct a CLEException object.
```

- **Method Summary**

Methods

**Modifier and
Type**

Method and Description

```
boolean      resolveLabels(Hashtable<String,Integer> labelToPC)
Resolve the jump labels to the corresponding pc values using the given label to PC mapping.
```

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

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

- **Field Detail**

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- **startLabel**

```
publicString startLabel
```

The exception handler is active from this instruction in the code section of the current method being added to ...

- **endLabel**

```
publicString endLabel
```

this instruction. Formally, the handler is active while the program counter is within the interval [startPC, endPC).

- **handlerLabel**

```
publicString handlerLabel
```

Instruction after this label is first instruction of the handler.

- **catchType**

```
publicString catchType
```

The class of exceptions that this exception handler is designated to catch.

- **startPC**

```
public int startPC
```

startLabel is resolved to this value.

- **endPC**

```
public int endPC
```

endLabel is resolved to this value.

- **handlerPC**

```
public int handlerPC
```

handlerLabel is resolved to this value.

- **Constructor Detail**

- **CLEException**

```
public CLEException(String startLabel,
                    String endLabel,
                    String handlerLabel,
                    String catchType)
```

Construct a CLEException object.

Parameters:

startLabel - the exception handler is active from the instruction following this label in the code section of the current method being added...

endLabel - to the instruction following this label. Formally, the handler is active while the program counter is within the interval [startLabel, endLabel).

handlerLabel - the handler begins with instruction following this label.

catchType - the exception type that this exception handler is designated to catch, as a fully qualified name in internal form.

- **Method Detail**

- **resolveLabels**

```
public boolean resolveLabels(Hashtable<String, Integer> labelToPC)
```

Resolve the jump labels to the corresponding pc values using the given label to pc mapping. If unable to resolve a label, the corresponding pc is set to 0.

Parameters:

labelToPC - label to pc mapping.

Returns:

true if all labels were resolved successfully; false otherwise.

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