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jminusminus

Class NHIRStringConstant

- [java.lang.Object](#)
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```
class NHIRStringConstant  
extends NHIRInstruction
```

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HIR instruction corresponding to the JVM instructions representing string constants.

• Field Summary

Modifier and Type	Field and Description	Fields

<code>String</code>	value The constant string value.
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- **Fields inherited from class `jminusminus.NHIRInstruction`**
`block`, `hirMnemonic`, `id`, `lir`, `lType`, `sType`
- **Constructor Summary**

Constructors
Constructor and Description

```
NHIRStringConstant(NBasicBlock block, int id, String value)  
Construct an NHIRStringConstant instruction.
```

- **Method Summary**

Methods

Modifier and Type

Method and Description

<code>NLIRInstruction</code>	<code>toLir()</code> Convert and return a low-level representation (LIR) of this HIR instruction.
<code>String</code>	<code>toString()</code> Return a string representation of this instruction.

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

`equals`, `id`

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

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

- **Field Detail**

- **value**

`publicString value`

The constant string value.

- **Constructor Detail**

- **NHIRStringConstant**

`publicNHIRStringConstant(NBasicBlockblock, intid, Stringvalue)`

Construct an NHIRStringConstant instruction.

Parameters:

`block` - enclosing block.

`id` - identifier for the instruction.

`value` - the constant string value.

- **Method Detail**

- **toLir**

`publicNLIRInstructiontoLir()`

Description copied from class: `NHIRInstruction`

Convert and return a low-level representation (LIR) of this HIR instruction. Also adds the returned LIR instruction to the list of LIR instructions for the block containing this instruction, along with any other intermediate LIR instructions needed.

Overrides:

`toLir` in class `NHIRInstruction`

Returns:

LIR instruction corresponding to this HIR instruction.

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- **toString**

```
publicStringtoString()
```

Description copied from class: `NHIRInstruction`

Return a string representation of this instruction.

Overrides:

`toString` in class `NHIRInstruction`

Returns:

string representation of this instruction.

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