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jminusminus

## Class NLIRStringConstant

- [java.lang.Object](#)
  - [jminusminus.NLIRInstruction](#)
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```
class NLIRStringConstant  
extends NLIRInstruction
```

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LIR instruction corresponding to the JVM instructions representing string constants.

### • Field Summary

Modifier and Type	Field and Description	Fields

<code>String</code>	<b>value</b> The constant string value.
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- **Fields inherited from class [jminusminus.NLIRInstruction](#)**

`block`, `id`, `lirMnemonic`, `reads`, `write`

- **Constructor Summary**

Constructors
Constructor and Description

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

- **Method Summary**

Methods	
Modifier and Type	Method and Description
void	<b>allocatePhysicalRegisters()</b> Replace references to virtual registers in this LIR instruction with references to physical registers.
void	<b>toSpim(PrintWriter out)</b> Translate this LIR instruction into SPIM and write it out to the specified output stream.
String	<b>toString()</b> Return a string representation of this instruction.

- **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**

- **NLIRStringConstant**  
publicNLIRStringConstant(NBasicBlock block, int id, String value)

Construct an NHIRStringConstant instruction.

**Parameters:**

block - enclosing block.  
id - identifier for the instruction.  
value - the constant string value.

- **Method Detail**

- **allocatePhysicalRegisters**

publicvoidallocatePhysicalRegisters()

**Description copied from class: NLIRInstruction**

Replace references to virtual registers in this LIR instruction with references to physical registers.

**Overrides:**

allocatePhysicalRegisters in class NLIRInstruction

- **toSpim**

publicvoidtoSpim(PrintWriterout)

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**Description copied from class: `NLIRInstruction`**

Translate this LIR instruction into SPIM and write it out to the specified output stream.

**Overrides:**

`toSpim` in class `NLIRInstruction`

**Parameters:**

out - output stream for SPIM code.

- `toString`

`publicStringtoString()`

**Description copied from class: `NLIRInstruction`**

Return a string representation of this instruction.

**Overrides:**

`toString` in class `NLIRInstruction`

**Returns:**

string representation of this instruction.

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