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jminusminus

Class **NLIRReturn**

- [java.lang.Object](#)
 - [jminusminus.NLIRInstruction](#)
 - [jminusminus.NLIRReturn](#)

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```
class NLIRReturn  
extends NLIRInstruction
```

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HIR instruction representing a JVM return instruction.

- **Field Summary**

Modifier and Type	Fields
	Field and Description

int	opcode
	JVM opcode for the return instruction.

- **Fields inherited from class [jminusminus.NLIRInstruction](#)**

[block](#), [id](#), [lirMnemonic](#), [reads](#), [write](#)

- **Constructor Summary**

Constructors
Constructor and Description

```
NLIRReturn(NBasicBlock block, int id, int opcode,  
NPhysicalRegister result)
```

Construct an NLIRReturn instruction.

- **Method Summary**

Methods

**Modifier and
Type**

Method and Description

void	toSpim (PrintWriter out) Translate this LIR instruction into SPIM and write it out to the specified output stream.
String	toString () Return a string representation of this instruction.

- **Methods inherited from class jminusminus.NLIRInstruction**

allocatePhysicalRegisters

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

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

- **Field Detail**

- **opcode**

public int opcode

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JVM opcode for the return instruction.

- **Constructor Detail**

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- **NLIRReturn**

```
public NLIRReturn(NBasicBlock block,  
                 int id,  
                 int opcode,  
                 NPhysicalRegister result)
```

Construct an NLIRReturn instruction.

Parameters:

block - enclosing block.

id - identifier of the instruction.

opcode - JVM opcode for the return instruction.

result - physical register storing return value, or null.

- **Method Detail**

- **toSpim**

```
public void toSpim(PrintWriter out)
```

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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- Summary:
- Nested |
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