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jminusminus

Class NHIRReturn

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

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HIR instruction representing a JVM return instruction.

• Field Summary

Fields	
Modifier and Type	Field and Description
int	opcode JVM opcode for the return instruction.
int	value Return value HIR id.

- **Fields inherited from class [jminusminus.NHIRInstruction](#)**
[block](#), [hirMnemonic](#), [id](#), [lir](#), [lType](#), [sType](#)

• Constructor Summary

Constructors
Constructor and Description

```
NHIRReturn(NBasicBlock block, int id, int opcode, int value)  
Construct an NHIRReturn instruction.
```

- **Method Summary**

Methods

Modifier and Type

Method and Description

NLIRInstruction	toLir() Convert and return a low-level representation (LIR) of this HIR instruction.
String	toString() 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**

- **opcode**

`public int opcode`

JVM opcode for the return instruction.

- **value**

`public int value`

Return value HIR id.

- **Constructor Detail**

- **NHIRReturn**

```
public NHIRReturn(NBasicBlock block,  
                  int id,  
                  int opcode,  
                  int value)
```

Construct an NHIRReturn instruction.

Parameters:

`block` - enclosing block.

`id` - identifier of the instruction.

`opcode` - JVM opcode for the return instruction.

`value` - return value HIR id.

- **Method Detail**

- **toLir**

`public NLIRInstruction toLir()`

Description copied from class: **NHIRInstruction**

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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.

- `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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