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jminusminus

Class NHIRGetField

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

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HIR instruction representing JVM (get) field instructions.

- **Field Summary**

Fields	
Modifier and Type	Field and Description
String	name Name of the field being accessed.
int	opcode Opcode of the JVM instruction.
String	target Target for the field.

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

Constructors

Constructor and Description

```
NHIRGetField(NBasicBlock block, int id, int opcode,  
String target, String name, String sType, String lType)  
Construct an NHIRGetField instruction.
```

- **Method Summary**

Methods

Modifier and Type

Method and Description

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

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- **Field Detail**

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- **opcode**

public int opcode

Opcode of the JVM instruction.

- **target**

public String target

Target for the field.

- **name**

public String name

Name of the field being accessed.

- **Constructor Detail**

- **NHIRGetField**

```
public NHIRGetField(NBasicBlock block,  
                    int id,  
                    int opcode,  
                    String target,  
                    String name,  
                    String sType,  
                    String lType)
```

Construct an NHIRGetField instruction.

Parameters:

block - enclosing block.
id - identifier of the instruction.
opcode - JVM opcode for the instruction.
target - target for the field.
name - name of the field.
sType - type (short name) of the field.
lType - type (long name) of the field.

- **Method Detail**

- **toLir**

```
public NLIRInstruction toLir()
```

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.

- **toString**

```
public String toString()
```

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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