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jminusminus

Class NHIRPutField

- java.lang.Object
  - jminusminus.NHIRInstruction
    - jminusminus.NHIRPutField

```
class NHIRPutField
extends NHIRInstruction
```

HIR instruction representing JVM (put) 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.
int	**value** HIR id of the value of the field.

- **Fields inherited from class jminusminus.NHIRInstruction**

  block, hirMnemonic, id, lir, lType, sType

- **Constructor Summary**

Constructor and Description

NHIRPutField(NBasicBlock block, int id, int opcode, String target, String name, String sType, String lType, int value)
Construct an NHIRPutField 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**

publicint opcode

Opcode of the JVM instruction.

  - **target**

publicString target

Target for the field.

  - **name**

publicString name

Name of the field being accessed.

  - **value**

publicint value

HIR id of the value of the field.

- **Constructor Detail**

  - **NHIRPutField**

publicNHIRPutField(NBasicBlockblock,

```
intid,
intopcode,
Stringtarget,
Stringname,
StringsType,
StringlType,
intvalue)
```

Construct an NHIRPutField 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.

    `value` - HIR id of the value of the field.

- **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.

  - **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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