JavaScript is disabled on your browser.

jminusminus

Class NLIRNewArray

- java.lang.Object

  - jminusminus.NLIRInstruction
    - jminusminus.NLIRNewArray

```
class NLIRNewArray
extends NLIRInstruction
```

LIR instruction representing JVM array creation instructions.

- **Field Summary**

Fields

Modifier and Type	Field and Description
int	**dim** Dimension of the array.
int	**opcode** Opcode of the JVM instruction.

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

  block, id, lirMnemonic, reads, write

- **Constructor Summary**

Constructors

Constructor and Description

```
NLIRNewArray(NBasicBlock block, int id, int opcode, int dim,
String sType, String lType)
```
Construct an NLIRNewArray 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**

  `publicint opcode`

  Opcode of the JVM Instruction.

  - **dim**

  `publicint dim`

  Dimension of the array.

- **Constructor Detail**

  - **NLIRNewArray**

  ```
  publicNLIRNewArray(NBasicBlockblock,
          intid,
          intopcode,
          intdim,
          StringsType,
          StringlType)
  ```

  Construct an NLIRNewArray instruction.

  Parameters:
      block - enclosing block.
      id - identifier of the instruction.
      opcode - JVM opcode for the instruction.
      dim - dimension of the array.
      sType - type (short name) of the array.
      lType - type (long name) of the array.

- **Method Detail**

  - **toSpim**

  publicvoidtoSpim(`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**

  public`String`toString()

  Description copied from class: `NLIRInstruction`

  Return a string representation of this instruction.

  Overrides:

  `toString` in class `NLIRInstruction`

  Returns:

  string representation of this instruction.

Assignment Project Exam Help

https://powcoder.com

Add WeChat powcoder

- Summary:
- Nested |
- Field |
- Constr |
- Method

- Detail:
- Field |
- Constr |
- Method