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jminusminus

Class CLArrayInstruction

- java.lang.Object
  - jminusminus.CLInstruction
    - jminusminus.CLArrayInstruction

```
class CLArrayInstruction
extends CLInstruction
```

Representation for ARRAY1, ARRAY2 and ARRAY3 instructions.

- **Field Summary**

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

  instructionInfo, localVariableIndex, mnemonic, opcode, operandCount, pc, stackUnits

- **Constructor Summary**

Constructors

Constructor and Description

CLArrayInstruction(int opcode, int pc)
Construct a CLArrayInstruction object for ARRAY3 instructions.

CLArrayInstruction(int opcode, int pc, int type)
Construct a CLArrayInstruction object for ARRAY1 instructions.

CLArrayInstruction(int opcode, int pc, int type, int dim)
Construct a CLArrayInstruction object for ARRAY2 instructions.

- **Method Summary**

Methods

Modifier and Type	Method and Description
ArrayList<Integer>	**toBytes**() Return the bytecode for this instruction.

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

  byteAt, isValid, localVariableIndex, mnemonic, opcode, operandCount, pc, stackUnits

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

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

- **Constructor Detail**

  - **CLArrayInstruction**

  ```
  publicCLArrayInstruction(intopcode,
                           intpc,
                           inttype)
  ```

  Construct a CLArrayInstruction object for ARRAY1 instructions.

  Parameters:
  > opcode - the opcode for this instruction.
  > pc - index of this instruction within the code array of a method.
  > type - number identifying the type.

  - **CLArrayInstruction**

  ```
  publicCLArrayInstruction(intopcode,
                           intpc,
                           inttype,
                           intdim)
  ```

  Construct a CLArrayInstruction object for ARRAY2 instructions.

  Parameters:
  > opcode - the opcode for this instruction.
  > pc - index of this instruction within the code array of a method.
  > type - number identifying the type.
  > dim - number of dimensions.

  - **CLArrayInstruction**

  ```
  publicCLArrayInstruction(intopcode,
                           intpc)
  ```

  Construct a CLArrayInstruction object for ARRAY3 instructions.

  Parameters:
  > opcode - the opcode for this instruction.
  > pc - index of this instruction within the code array of a method.

- **Method Detail**

  - **toBytes**

  public ArrayList<Integer> toBytes()

  Description copied from class: CLInstruction
  Return the bytecode for this instruction.
  Specified by:
  toBytes in class CLInstruction
  Returns:
  bytecode.