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jminusminus

Class CLLoadStoreInstruction

- [java.lang.Object](#)
 - [jminusminus.CInstruction](#)
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```
class CLLoadStoreInstruction  
extends CInstruction
```

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Representation for LOAD_STORE1, LOAD_STORE2, LOAD_STORE3 and LOAD_STORE4 instructions.

- **Field Summary**
- **Fields inherited from class jminusminus.CInstruction**
[instructionInfo](#), [localVariableIndex](#), [mnemonic](#), [opcode](#), [operandCount](#), [pc](#), [stackUnits](#)
- **Constructor Summary**

Constructors

Constructor and Description

```
CLLoadStoreInstruction(int opcode, int pc)  
Construct a CLLoadStoreInstruction object for LOAD_STORE1 instructions.
```

```
CLLoadStoreInstruction(int opcode, int pc, int constVal)  
Construct a CLLoadStoreInstruction object for LOAD_STORE3 and  
LOAD_STORE4 instructions.
```

```
CLLoadStoreInstruction(int opcode, int pc,  
int localVariableIndex, boolean isWidened)
```

Construct a CLLoadStoreInstruction object for LOAD_STORE2 instructions.

- **Method Summary**

Modifier and Type	Methods
	Method and Description

ArrayList<Integer>	toBytes()
	Return the bytecode for this instruction.

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

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**

- **CLLoadStoreInstruction**

```
public CLLoadStoreInstruction(int opcode,
                              int pc)
```

Construct a CLLoadStoreInstruction object for LOAD_STORE1 instructions.

Parameters:

opcode - the opcode for this instruction.

pc - index of this instruction within the code array of a method.

- **CLLoadStoreInstruction**

```
public CLLoadStoreInstruction(int opcode,
                              int pc,
                              int localVariableIndex,
                              boolean isWidened)
```

Construct a CLLoadStoreInstruction object for LOAD_STORE2 instructions.

Parameters:

opcode - the opcode for this instruction.

pc - index of this instruction within the code array of a method.

localVariableIndex - index of the local variable to increment.

isWidened - whether this instruction is preceded by the WIDE (widening) instruction.

- **CLLoadStoreInstruction**

```
public CLLoadStoreInstruction(int opcode,
                              int pc,
                              int constVal)
```

Construct a CLLoadStoreInstruction object for LOAD_STORE3 and LOAD_STORE4 instructions.

Parameters:

opcode - the opcode for this instruction.

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pc - index of this instruction within the code array of a method.
constVal - a byte (for BIPUSH), a short (for SIPUSH), or a constant pool index for LDC instructions.

- **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.

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