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- **Prev Class**
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- Frames
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- All Classes

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

- Detail:
- Field |
- Constr |
- Method

jminusminus

Class MethodContext

- java.lang.Object
  - jminusminus.Context
    - jminusminus.LocalContext
      - jminusminus.MethodContext

.

```
class MethodContext
extends LocalContext
```

A method context is where formal parameters are declared. Also, it's where we start computing the offsets for local variables (formal parameters included), which are allocated in the current stack frame (for a method invocation).

- **Field Summary**

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

  offset

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

  classContext, compilationUnitContext, entries, surroundingContext

- **Constructor Summary**

  Constructors
  Constructor and Description

  MethodContext(Context surrounding, boolean isStatic, Type methodReturnType)
  Construct a method context.

- **Method Summary**

	Methods
Modifier and Type	**Method and Description**
void	**confirmMethodHasReturn**() Record fact that (non-void) method has at least one return.
boolean	**isStatic**() Is this method static?
boolean	**methodHasReturn**() Does this (non-void) method have at least one return?
Type	**methodReturnType**() Return the return type of this method.
void	**writeToStdOut**(PrettyPrinter p) Write the contents of this context to STDOUT.

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

  nextOffset, offset

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

  addEntry, addType, classContext, compilationUnitContext,
  definingType, lookup, lookupType, methodContext, names,
  surroundingContext

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

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

- **Constructor Detail**

  - **MethodContext**

  publicMethodContext(Contextsurrounding,
              booleanisStatic,
              TypemethodReturnType)

  Construct a method context.
  Parameters:
  surrounding - the surrounding (class) context.
  isStatic - is this method static?
  methodReturnType - return type of this method.

- **Method Detail**

  - **isStatic**

  publicbooleanisStatic()

  Is this method static?
  Returns:
  true or false.

- **confirmMethodHasReturn**

`public void confirmMethodHasReturn()`

Record fact that (non-void) method has at least one return.

- **methodHasReturn**

`public boolean methodHasReturn()`

Does this (non-void) method have at least one return?

Returns:

true or false.

- **methodReturnType**

`public Type methodReturnType()`

Return the return type of this method.

Returns:

return type of this method.

- **writeToStdOut**

`public void writeToStdOut(PrettyPrinter p)`

Description copied from class: Context

Write the elements of this context to STDOUT.

Overrides:

`writeToStdOut` in class `LocalContext`

Parameters:

p for pretty printing with indentation.