MoodleScript: FREEZE CONTEXT

MoodleScript Script Engine

STATUS: Draft.

Effect

Freezes the execution stack context and prevents the execution of instructions from modifying it.

A number of instructions can alter the value of context variables when they execute. For example, creating a course category sets, by default, the current course category to the newly created category. A succession of category creations using the 'current' meta will create a succession of nested categories.

```
ADD CATEGORY My Root TO id:1
```

```
ADD CATEGORY Cat 1 TO current

ADD CATEGORY Cat 2 TO current
```

```
ADD CATEGORY Cat 3 TO current
```

Will give the following tree:

```
Miscelaneous > My Root > Cat 1 > Cat 2 > Cat 3
```

To successively create “siblings” of the same category, the context must be frozen so that current always represents the initial category before the first addition. Thus:

```
ADD CATEGORY My Root TO id:1

FREEZE CONTEXT

ADD CATEGORY Cat 1 TO current

ADD CATEGORY Cat 2 TO current

ADD CATEGORY Cat 3 TO current

UNFREEZE CONTEXT
```

Will generate a tree like this:

- Miscelaneous
    - My root
        - Cat 1

- Cat 2
- Cat 3

Syntax

```
FREEZE CONTEXT
```

Specific attributes

None

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