

IVS-Projekt_2-Calcul

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Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

math_lib	Implementation of basic matematic function	5
memory_operation	5

Chapter 2

Class Index

2.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

main.Calculator	7
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Chapter 3

Namespace Documentation

3.1 `math_lib` Namespace Reference

Implementation of basic matematic function.

Functions

- def **absolute_value** (number)
- def **factorial** (number)
- def **nth_root** (root, base)
- def **summary** (summand1, summand2)
- def **subtraction** (minuend, subtrahend)
- def **division** (dividend, divisor)
- def **multiplication** (multiplicand, multiplier)
- def **nth_power** (base, exponent)
- def **show_error** ()

3.1.1 Detailed Description

Implementation of basic matematic function.

3.2 `memory_operation` Namespace Reference

Functions

- def [memory_recall](#) ()
- def [display_clear](#) ()
- def [memory_clear](#) ()
- def [hint_show_man](#) ()

3.2.1 Detailed Description

@package

Contains operations with memory

3.2.2 Function Documentation

3.2.2.1 display_clear()

```
def memory_operation.display_clear ( )
```

Clears the display but will not delete last saved answer

3.2.2.2 hint_show_man()

```
def memory_operation.hint_show_man ( )
```

Will open man.pdf

3.2.2.3 memory_clear()

```
def memory_operation.memory_clear ( )
```

Clears display and deletes last saved answer

3.2.2.4 memory_recall()

```
def memory_operation.memory_recall ( )
```

Print ANS

Chapter 4

Class Documentation

4.1 main.Calculator Class Reference

Public Member Functions

- def `__init__` (self)
- def `getMemory` (self)
- def `setMemory` (self)
- def `getOperand` (self)
- def `setOperand` (self)
- def `executeOperation` (self)

Public Attributes

- `ID_Operation`

Static Public Attributes

- int `value1` = 0
- int `value2` = 0
- string `ID_Operation` = ""

4.1.1 Detailed Description

Stores values of memory and contains operands methods

4.1.2 Constructor & Destructor Documentation

4.1.2.1 `__init__()`

```
def main.Calculator.__init__ (
    self )
```

Constructor

Every parameter will be set to zero

4.1.3 Member Function Documentation

4.1.3.1 `executeOperation()`

```
def main.Calculator.executeOperation (
    self )
```

@brief Executes operation depending on ID of operation

@param ID_Operation:

@return Result of operation

4.1.3.2 `getMemory()`

```
def main.Calculator.getMemory (
    self )
```

Return values currently stored on memory

@return Last saved answr

4.1.3.3 `getOperand()`

```
def main.Calculator.getOperand (
    self )
```

Read from In.

4.1.3.4 setMemory()

```
def main.Calculator.setMemory (  
    self )
```

Set memory on current value

4.1.3.5 setOperand()

```
def main.Calculator.setOperand (  
    self )
```

Set ID of next operation depending on opration entered

The documentation for this class was generated from the following file:

- main.py

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