

My Project

Generated by Doxygen 1.8.15

1 Class Index	1
1.1 Class List	1
2 Class Documentation	3
2.1 matrix Class Reference	3
2.1.1 Constructor & Destructor Documentation	3
2.1.1.1 matrix() [1/3]	3
2.1.1.2 matrix() [2/3]	4
2.1.1.3 matrix() [3/3]	4
2.1.2 Member Function Documentation	4
2.1.2.1 print()	4
Index	7

Chapter 1

Class Index

1.1 Class List

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

matrix	3
----------------------------------	---

Chapter 2

Class Documentation

2.1 matrix Class Reference

Public Member Functions

- `matrix` (int num_rows, int num_columns, int *numbers)
- `matrix` (int num_rows, int num_columns)
- `matrix` (const `matrix` &m)
- void `print` ()

Public Attributes

- int `num_rows`
- int `num_columns`
- int * `numbers`
- int ** `mat`

2.1.1 Constructor & Destructor Documentation

2.1.1.1 `matrix()` [1/3]

```
matrix::matrix (
    int num_rows,
    int num_columns,
    int * numbers )
```

generate an empty matrix

Parameters

<i>num_rows</i>	integer respresenting the number of rows in the matrix
<i>dim</i>	integer representing the dimension or number of columns in the matrix
<i>numbers</i>	a vector of integers for the numbers to be inserted into the matrix

Returns

: an empty matrix

2.1.1.2 matrix() [2/3]

```
matrix::matrix (
    int num_rows,
    int num_columns )
```

generate an empty matrix

Parameters

<i>num_rows</i>	integer representing the number of rows in the matrix
<i>dim</i>	integer representing the dimension or number of columns in the matrix

Returns

: an empty matrix

2.1.1.3 matrix() [3/3]

```
matrix::matrix (
    const matrix & m )
```

Copy constructor

Parameters

<i>m</i>	the matrix to be copied
----------	-------------------------

Returns

: a matrix which is a copy of matrix m

2.1.2 Member Function Documentation**2.1.2.1 print()**

```
void matrix::print ( )
```

print a matrix to the standart output (on the screen)

Returns

: None

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

- matrix.h
- matrix.cpp

Index

matrix, [3](#)
 matrix, [3](#), [4](#)
 print, [4](#)

print
 matrix, [4](#)