

AssocArray

0.1

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Contents

1	Class Index	1
1.1	Class List	1
2	File Index	3
2.1	File List	3
3	Class Documentation	5
3.1	AssocArray Class Reference	5
3.1.1	Detailed Description	5
3.1.2	Member Function Documentation	6
3.1.2.1	deflate	6
3.1.2.2	inflate	6
3.1.2.3	insert	6
3.1.2.4	operator[]	6
3.1.2.5	remove	6
3.1.2.6	size	6
3.2	AssocArrayEntry Struct Reference	7
3.2.1	Detailed Description	7
4	File Documentation	9
4.1	AssocArray.h File Reference	9
4.1.1	Detailed Description	9
	Index	9

Chapter 1

Class Index

1.1 Class List

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

AssocArray	A class representing an associative array of integers	5
AssocArrayEntry	A structure representing a single entry in associative array of integers	7

Chapter 2

File Index

2.1 File List

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

AssocArray.h	
An implementation of associative array of integers	9

Chapter 3

Class Documentation

3.1 AssocArray Class Reference

A class representing an associative array of integers.

```
#include <AssocArray.h>
```

Public Member Functions

- [AssocArray](#) ()
A constructor for initializing.
- [~AssocArray](#) ()
A destructor for cleaning up.
- void [insert](#) (std::string key, int value)
A function, that inserts a value to associative array.
- void [remove](#) (std::string key)
A function, that removes a value from associative array.
- void [clean](#) ()
A function, that clears the associative array.
- void [inflate](#) (int [size](#))
A function, that increases the size of the array of entries.
- void [deflate](#) (int [size](#))
A function, that decreases the size of the array of entries.
- int & [operator](#)[] (std::string key)
An operator: [], which can be used to extract integer values by their keys from associative array.
- int [size](#) ()
A function, that returns size of the associative array.
- void [display](#) ()
A function, that displays the associative array on the cout.

3.1.1 Detailed Description

A class representing an associative array of integers.

3.1.2 Member Function Documentation

3.1.2.1 void AssocArray::deflate (int *size*)

A function, that decreases the size of the array of entries.

Parameters

<i>size</i>	A size by which the size of the array should be decreased.
-------------	--

3.1.2.2 void AssocArray::inflate (int *size*)

A function, that increases the size of the array of entries.

Parameters

<i>size</i>	A size by which the size of the array should be increased.
-------------	--

3.1.2.3 void AssocArray::insert (std::string *key*, int *value*)

A function, that inserts a value to associative array.

Parameters

<i>key</i>	A key which will identify the entry, of type std::string.
<i>value</i>	An int value to be inserted.

3.1.2.4 int & AssocArray::operator[] (std::string *key*)

An operator: [], which can be used to extract integer values by their keys from associative array.

Parameters

<i>key</i>	A key which identifies the entry.
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Returns

An int value associated with given key.

3.1.2.5 void AssocArray::remove (std::string *key*)

A function, that removes a value from associative array.

Parameters

<i>key</i>	A key that identifies the entry to be removed, of type std::string.
------------	---

3.1.2.6 int AssocArray::size ()

A function, that returns size of the associative array.

Returns

Size of the associative array = Number of entries in the array, of type int.

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

- [AssocArray.h](#)
- [AssocArray.cpp](#)

3.2 AssocArrayEntry Struct Reference

A structure representing a single entry in associative array of integers.

```
#include <AssocArray.h>
```

Public Attributes

- `std::string` [key](#)
A key which identifies the entry.
- `int` [value](#)
A value of the entry.

3.2.1 Detailed Description

A structure representing a single entry in associative array of integers.

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

- [AssocArray.h](#)

Chapter 4

File Documentation

4.1 AssocArray.h File Reference

An implementation of associative array of integers.

```
#include <string>
```

Classes

- struct [AssocArrayEntry](#)
A structure representing a single entry in associative array of integers.
- class [AssocArray](#)
A class representing an associative array of integers.

4.1.1 Detailed Description

An implementation of associative array of integers.

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Index

- AssocArray, [5](#)
 - deflate, [6](#)
 - inflate, [6](#)
 - insert, [6](#)
 - remove, [6](#)
 - size, [6](#)
- AssocArray.h, [9](#)
- AssocArrayEntry, [7](#)
- deflate
 - AssocArray, [6](#)
- inflate
 - AssocArray, [6](#)
- insert
 - AssocArray, [6](#)
- remove
 - AssocArray, [6](#)
- size
 - AssocArray, [6](#)