

My Project

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Chapter 1

Hierarchical Index

1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

ComparatorBase	7
LexicographicalOrderComparator	8
ReversedLexicographicalOrderComparator	8
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Chapter 2

Class Index

2.1 Class List

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

ComparatorBase		
	Base class for LexicographicalOrderComparators	7
LexicographicalOrderComparator		
	Class to compare strings in lexicographical order	8
ReversedLexicographicalOrderComparator		
	Class to compare strings in reversed lexicographical order	8
Text	9

Chapter 3

File Index

3.1 File List

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

Comparator.h	??
FileTools.h	11
Text.h	??
TextTools.h	11

Chapter 4

Class Documentation

4.1 ComparatorBase Class Reference

base class for LexicographicalOrderComparators

```
#include <Comparator.h>
```

Inheritance diagram for ComparatorBase:

Protected Member Functions

- void `skip` (int &i, char *str, char step)
- bool `compare` (char *a, char *b, Order order)

4.1.1 Detailed Description

base class for LexicographicalOrderComparators

4.1.2 Member Function Documentation

4.1.2.1 `bool ComparatorBase::compare (char * a, char * b, Order order)` `[protected]`

Parameters

<i>a</i>	first string
<i>b</i>	second string
<i>step</i>	if 1 - lexicographical order, -1 - reversed order

Returns

true if first is less than second

4.1.2.2 void ComparatorBase::skip (int & *i*, char * *str*, char *step*) [protected]

Parameters

<i>i</i>	reference to index
<i>str</i>	pointer to string
<i>step</i>	1 is to move forward or -1 to move backward

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

- Comparator.h
- Comparator.cpp

4.2 LexicographicalOrderComparator Class Reference

class to compare strings in lexicographical order

```
#include <Comparator.h>
```

Inheritance diagram for LexicographicalOrderComparator:

Collaboration diagram for LexicographicalOrderComparator:

Public Member Functions

- bool **operator()** (char *a, char *b)

Additional Inherited Members

4.2.1 Detailed Description

class to compare strings in lexicographical order

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

- Comparator.h

4.3 ReversedLexicographicalOrderComparator Class Reference

class to compare strings in reversed lexicographical order

```
#include <Comparator.h>
```

Inheritance diagram for ReversedLexicographicalOrderComparator:

Collaboration diagram for ReversedLexicographicalOrderComparator:

Public Member Functions

- bool **operator()** (char *a, char *b)

Additional Inherited Members

4.3.1 Detailed Description

class to compare strings in reversed lexicographical order

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

- Comparator.h

4.4 Text Class Reference

Public Member Functions

- **Text** (char *pathToFile)
- char * **begin** ()
- char * **end** ()

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

- Text.h
- Text.cpp

Chapter 5

File Documentation

5.1 FileTools.h File Reference

```
#include <stdio.h>
#include <iostream>
#include <sys/stat.h>
#include <fstream>
```

Include dependency graph for FileTools.h:

5.2 TextTools.h File Reference

```
#include <cstdint>
```

Include dependency graph for TextTools.h:

Functions

- int [countLinesAndModify](#) (char *text, size_t size)
- void [setLines](#) (char *text, char **lines, size_t size)

5.2.1 Function Documentation

5.2.1.1 int countLinesAndModify (char * *text*, size_t *size*)

Parameters

<i>text</i>	pointer to text
<i>size</i>	size of the text

Returns

returns amount of lines

5.2.1.2 void setLines (char * *text*, char ** *lines*, size_t *size*)

Parameters

<i>text</i>	pointer to text
<i>lines</i>	pointer to array to write beginnings of lines
<i>size</i>	size of the text

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