Lab 01.2

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Chapter 1

Class Index

1.1 Class List

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

Text 5

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

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Chapter 3

Class Documentation

3.1 Text Class Reference

`#include <Text.h>`

Public Member Functions

- Text (const char *charSeq="")
- Text (const Text &other)
- void operator= (const Text &other)
- ~Text ()
- int getLength () const
- char operator[ ] (int n) const
- void clear ()
- void showStructure () const
- Text toUpper () const
- Text toLower () const
- bool operator== (const Text &other) const
- bool operator< (const Text &other) const
- bool operator> (const Text &other) const

Private Attributes

- int bufferSize
- char * buffer

Friends

- istream & operator>> (istream &input, Text &inputText)
- ostream & operator<< (ostream &output, const Text &outputText)

3.1.1 Constructor & Destructor Documentation

3.1.1.1 Text() [1/2]

```
Text::Text (
            const char * charSeq = "" )
```

3.1.1.2 Text() [2/2]

```
Text::Text (
            const Text & other )
```

3.1.1.3 ~Text()

```
Text::~Text ( )
```

3.1.2 Member Function Documentation

3.1.2.1 clear()

```
void Text::clear ( )
```

3.1.2.2 getLength()

```
int Text::getLength ( ) const
```

3.1.2.3 operator<()

```
bool Text::operator< (
            const Text & other ) const
```

3.1.2.4 operator=()

```
void Text::operator= (
            const Text & other )
```

3.1.2.5 operator==()

```
bool Text::operator== (
            const Text & other ) const
```

3.1.2.6 operator>()

```
bool Text::operator> (
            const Text & other ) const
```

3.1.2.7 operator[]()

```
char Text::operator[] (
            int n ) const
```

3.1.2.8 showStructure()

```
void Text::showStructure ( ) const
```

3.1.2.9 toLower()

```
Text Text::toLower ( ) const
```

3.1.2.10 toUpper()

```
Text Text::toUpper ( ) const
```

3.1.3 Friends And Related Function Documentation

3.1.3.1 operator<<

```
ostream& operator<< (
            ostream & output,
            const Text & outputText )  [friend]
```

3.1.3.2 operator>>

```
istream& operator>> (
            istream & input,
            Text & inputText )  [friend]
```

3.1.4 Member Data Documentation

3.1.4.1 buffer

```
char* Text::buffer  [private]
```

3.1.4.2 bufferSize

```
int Text::bufferSize  [private]
```

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

- E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/Text.h
- E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/text.cpp

Chapter 4

File Documentation

4.1 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/config.h File Reference

This graph shows which files directly or indirectly include this file:

4.2 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/lexical.cpp File Reference

```
#include <fstream>
#include <iostream>
#include "Text.h"
```

Include dependency graph for lexical.cpp:

Functions

- int main ()

4.2.1 Function Documentation

4.2.1.1 main()

```
int main ( )
```

4.3 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/test1.cpp File Reference

```
#include <iostream>
#include "Text.h"
#include "config.h"
```

Include dependency graph for test1.cpp:

Functions

- void copyTester (Text copyText)
- void print_help ()
- int main ()

4.3.1 Function Documentation

4.3.1.1 copyTester()

```
void copyTester (
            Text copyText )
```

4.3.1.2 main()

```
int main ( )
```

4.3.1.3 print_help()

```
void print_help ( )
```

4.4 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/text.cpp File Reference

```
#include <iostream>
#include <iomanip>
#include <cassert>
#include <cstring>
#include "Text.h"
```

Include dependency graph for text.cpp:

Functions

- istream & operator>> (istream &input, Text &inputText)
- ostream & operator<< (ostream &output, const Text &outputText)

4.4.1 Function Documentation

4.4.1.1 operator<<()

```
ostream& operator<< (
            ostream & output,
            const Text & outputText )
```

4.4.1.2 operator>>()

```
istream& operator>> (
            istream & input,
            Text & inputText )
```

4.5 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/Text.h File Reference

```
#include <stdexcept>
#include <iostream>
```

Include dependency graph for Text.h: This graph shows which files directly or indirectly include this file:

Classes

- class Text

4.6 E:/SCHOOL/c++/CSC 2200/Lab01/Lab01/textio.cpp File Reference

```
#include <iostream>
#include <iomanip>
```

Include dependency graph for textio.cpp:

Functions

- istream & operator>> (istream &input, Text &inputText)
- ostream & operator<< (ostream &output, const Text &outputText)

4.6.1 Function Documentation

4.6.1.1 operator<<()

```
ostream& operator<< (
            ostream & output,
            const Text & outputText )
```

4.6.1.2 operator>>()

```
istream& operator>> (
            istream & input,
            Text & inputText )
```

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