Trie - Gabriel Simonetto

Generated by Doxygen 1.8.16

Chapter 1

Class Index

1.1 Class List

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

Trie
Trie class . . . . . ??

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

creating_trie.h . . . . . ??
main.cpp . . . . . ??
trie.h . . . . . ??

Chapter 3

Class Documentation

3.1 Trie Class Reference

Trie class.

`#include <trie.h>`

Public Member Functions

- Trie ()
  Constructor.
- virtual ~Trie ()
  Destructor.
- void insert (std::string word, const unsigned long position, const unsigned long length)
  insert a word calling insert letter from node
- unsigned long * find (std::string word, unsigned long *output)
  find a word in the trie

3.1.1 Detailed Description

Trie class.

3.1.2 Constructor & Destructor Documentation

3.1.2.1 Trie()

`Trie::Trie ( )  [inline]`

Constructor.

3.1.2.2 ~Trie()

```
virtual Trie::~Trie ( )  [inline], [virtual]
```

Destructor.

3.1.3 Member Function Documentation

3.1.3.1 find()

```
unsigned long* Trie::find (
            std::string word,
            unsigned long * output )  [inline]
```

find a word in the trie

3.1.3.2 insert()

```
void Trie::insert (
            std::string word,
            const unsigned long position,
            const unsigned long length )  [inline]
```

insert a word calling insert letter from node

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

- trie.h

Chapter 4

File Documentation

4.1 creating_trie.h File Reference

```
#include <iostream>
#include <fstream>
#include <string>
#include "trie.h"
```

Functions

- string extract_word (string line)
- Trie * create_trie (string source)

4.1.1 Function Documentation

4.1.1.1 create_trie()

```
Trie* create_trie (
            string source )
```

4.1.1.2 extract_word()

```
string extract_word (
            string line )
```

4.2 main.cpp File Reference

```
#include <iostream>
#include <string>
#include "creating_trie.h"
```

Functions

- int main ()

4.2.1 Function Documentation

4.2.1.1 main()

```
int main ( )
```

4.3 trie.h File Reference

```
#include <iostream>
#include <string>
#include <stddef.h>
```

Classes

- class Trie

  Trie class.

Variables

- const size_t CHILDREN_NUMBER = 26

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4.3.1 Variable Documentation

4.3.1.1 CHILDREN_NUMBER

```
const size_t CHILDREN_NUMBER = 26
```

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