Tallysheet

1.0

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Contents

1 Class Index **1**

1.1 Class List 1

2 Class Documentation **3**

2.1 TallySheet< T > Class Template Reference 3

2.1.1 Detailed Description 3

2.1.2 Constructor & Destructor Documentation 4

2.1.2.1 TallySheet() 4

2.1.3 Member Function Documentation 4

2.1.3.1 writeTable() 4

Chapter 1

Class Index

1.1 Class List

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

TallySheet< T >
Manage tallies for a collection of values 3

Chapter 2

Class Documentation

2.1 TallySheet< T > Class Template Reference

Manage tallies for a collection of values.

`#include <TallySheet.h>`

Public Member Functions

- TallySheet (const T &minVal, const T &maxVal)
  Create an initially empty tally sheet.
- TallySheet (const TallySheet< T > &other)
  Make a copy of the given instance.
- TallySheet< T > & operator= (const TallySheet< T > &other)
  Assign one instance the state of another.
- ~TallySheet ()
  Destruct the current instance.
- void increment (const T &val)
  Increment the tally for the respective value.
- int getCount (const T &val) const
  Return the total number of current tallies for the given value.
- int getTotalCount () const
  Return the total number of current tallies.
- void writeTable (std::ostream &out) const
  Write a comprehensive table of results Report each value, the count for that value and the percentage usage.

2.1.1 Detailed Description

template<typename T>
class TallySheet< T >

Manage tallies for a collection of values.

Values can be either from a consecutive range of integers, or a consecutive sequence of characters from the alphabet.

2.1.2 Constructor & Destructor Documentation

2.1.2.1 TallySheet()

```
template<typename T>
TallySheet< T >::TallySheet (
            const T & minVal,
            const T & maxVal )
```

Create an initially empty tally sheet.

Parameters

minVal	the minimum acceptable value for later insertion
maxVal	the maximum acceptable value for later insertion

2.1.3 Member Function Documentation

2.1.3.1 writeTable()

```
template<typename T>
void TallySheet< T >::writeTable (
            std::ostream & out ) const
```

Write a comprehensive table of results Report each value, the count for that value and the percentage usage.

Parameters

out	an open output stream

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

- /Users/Victor/Desktop/Cpp-Refresher/Cpp-Project-Exercise/tally_sheet/TallySheet.h