My Project

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Chapter 1

Class Index

1.1 Class List

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

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

Chapter 3

Class Documentation

3.1 enrollee Struct Reference

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Public Member Functions

- enrollee (std::string name="", std::string faculty="", std::string speciality="", int result=0)
- bool operator< (enrollee right)
- bool operator> (enrollee right)
- bool operator<= (enrollee right)
- bool operator>= (enrollee right)
- bool operator== (enrollee right)

Public Attributes

- std::string name
- std::string faculty
- std::string speciality
- int result

3.1.1 Detailed Description

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3.1.2 Constructor & Destructor Documentation

3.1.2.1 enrollee()

```
enrollee::enrollee (
            std::string name = "",
            std::string faculty = "",
            std::string speciality = "",
            int result = 0 )  [inline]
```

3.1.3 Member Function Documentation

3.1.3.1 operator<()

```
bool enrollee::operator< (
            enrollee right )  [inline]
```

Parameters

in	*right*	

Returns

true, , false -

3.1.3.2 operator<=()

```
bool enrollee::operator<= (
            enrollee right )  [inline]
```

Parameters

in	*right*	

Returns

true, , false -

3.1.3.3 operator==()

```
bool enrollee::operator== (
            enrollee right )  [inline]
```

Parameters

in	*right*	

Returns

true, , false -

3.1.3.4 operator>()

```
bool enrollee::operator> (
            enrollee right )  [inline]
```

Parameters

in	*right*	

Returns

true, , false -

3.1.3.5 operator>=()

```
bool enrollee::operator>= (
            enrollee right )  [inline]
```

Parameters

in	*right*	

Returns

true, , false -

3.1.4 Member Data Documentation

3.1.4.1 faculty

```
std::string enrollee::faculty
```

3.1.4.2 name

```
std::string enrollee::name
```

3.1.4.3 result

```
int enrollee::result
```

3.1.4.4 speciality

```
std::string enrollee::speciality
```

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

- D:/Lab1V16/Lab1V16/Lab1V16/Lab1V16.cpp

3.2 searches< T > Class Template Reference

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Static Public Member Functions

- static std::vector< int > linear_search (T data[ ], int size, T &b)
- static std::vector< int > binary_search (T data[ ], int size, T &b)

3.2.1 Detailed Description

template<typename T>
class searches< T >

,

3.2.2 Member Function Documentation

3.2.2.1 binary_search()

```
template<typename T >
static std::vector< int > searches< T >::binary_search (
            T data[],
            int size,
            T & b )  [inline], [static]
```

Parameters

in	*data*	,
in	*size*	
in	*b*	,

3.2.2.2 linear_search()

```
template<typename T >
static std::vector< int > searches< T >::linear_search (
            T data[],
            int size,
            T & b )  [inline], [static]
```

Parameters

in	*data*	,
in	*size*	
in	*b*	,

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

- D:/Lab1V16/Lab1V16/Lab1V16/Lab1V16.cpp

3.3 sorts< T > Class Template Reference

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Static Public Member Functions

- static void mergeSort (T *data, int n)

3.3.1 Detailed Description

template<typename T>
class sorts< T >

,

3.3.2 Member Function Documentation

3.3.2.1 mergeSort()

```
template<typename T >
static void sorts< T >::mergeSort (
            T * data,
            int n )  [inline], [static]
```

Parameters

in	*data*	
in	*n*	

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

- D:/Lab1V16/Lab1V16/Lab1V16/Lab1V16.cpp

Chapter 4

File Documentation

4.1 D:/Lab1V16/Lab1V16/Lab1V16/Lab1V16.cpp File Reference

```
#include <iostream>
#include <fstream>
#include <string>
#include <chrono>
#include <vector>
#include <map>
```

Classes

- struct enrollee
  ,
- class searches< T >
  ,
- class sorts< T >
  ,

Functions

- int main ()

4.1.1 Function Documentation

4.1.1.1 main()

```
int main ( )
```

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