

My Project

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Contents

1	Class Index	1
1.1	Class List	1
2	Class Documentation	3
2.1	dist Class Reference	3
2.1.1	Detailed Description	3
2.1.2	Member Function Documentation	4
2.1.2.1	em2m()	4
2.1.2.2	m2em()	4
2.1.3	Friends And Related Function Documentation	4
2.1.3.1	operator<<	4
2.2	engm Class Reference	4
2.2.1	Detailed Description	5
2.2.2	Member Function Documentation	5
2.2.2.1	operator==()	5
2.2.3	Friends And Related Function Documentation	5
2.2.3.1	operator<<	5
2.3	tstdist Class Reference	6
2.3.1	Detailed Description	6
2.3.2	Friends And Related Function Documentation	6
2.3.2.1	operator<<	6
	Index	7

Chapter 1

Class Index

1.1 Class List

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

dist	Distance class which supports converting feet and inches into meters and vice versa;	3
engm	Measurement system in feet and inches;	4
tstdist	Class to test methods in dist class	6

Chapter 2

Class Documentation

2.1 dist Class Reference

distance class which supports converting feet and inches into meters and vice versa;

```
#include <classes.h>
```

Public Member Functions

- `dist (engm emu)`
constructor to set distance in feet and inches;
- `dist (float meters)`
constructor to set distance in meters;
- `float em2m () const`
conversion feet and inches into meters;
- `engm m2em () const`
conversion meters into feet and inches;

Friends

- `ostream & operator<< (ostream &os, const dist &dst)`
for enable using cout<<[dist_object];

2.1.1 Detailed Description

distance class which supports converting feet and inches into meters and vice versa;

2.1.2 Member Function Documentation

2.1.2.1 em2m()

```
float dist::em2m ( ) const
```

conversion feet and inches into meters;

<

Returns

distance in meters from distance in feet and inches which are fields of emtrs field of that object;

2.1.2.2 m2em()

```
engm dist::m2em ( ) const
```

conversion merers into feet and inches;

<

Returns

distance in feet and inches from distance in meters which is field mtrs of that object;

2.1.3 Friends And Related Function Documentation

2.1.3.1 operator<<

```
ostream& operator<< (
    ostream & os,
    const dist & dst ) [friend]
```

for enable using cout<<[dist_object];

< similary to operator<<(ostream& os, const engm& em);

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

- D:/4/inf_sys_dev/lab/lab5/classes.h
- D:/4/inf_sys_dev/lab/lab5/classes.cpp

2.2 engm Class Reference

represents measurement system in feet and inches;

```
#include <classes.h>
```


Public Member Functions

- bool `operator==` (`engm eem`) const
to compare two objects;

Public Attributes

- int **feet**
- float **inches**

Friends

- ostream & `operator<<` (ostream &os, const `engm` &em)
for enable using cout<<[engm_object];

2.2.1 Detailed Description

represents measurement system in feet and inches;

2.2.2 Member Function Documentation

2.2.2.1 operator==()

```
bool engm::operator== (
    engm eem ) const
```

to compare two objects;

Parameters

<i>eem</i>	is another object of engm with which comparison;
------------	--

Returns

true if objects are equal (difference between inches less than eps (#define eps 10e-5));

2.2.3 Friends And Related Function Documentation

2.2.3.1 operator<<

```
ostream& operator<< (
    ostream & os,
    const engm & em ) [friend]
```

for enable using cout<<[engm_object];

Parameters

<i>os[in]</i>	output stream,
<i>em[in]</i>	object, which fields are for outut;

Returns

os to enabe os<<[obj1]<<[obj2]<<[...];

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

- D:/4/inf_sys_dev/lab/lab5/classes.h
- D:/4/inf_sys_dev/lab/lab5/classes.cpp

2.3 tstdist Class Reference

class to test methods in dist class

```
#include <classes.h>
```

Public Member Functions

- [tstdist \(\)](#)
contains void tstem2m() const; and void tstm2em() const;

Friends

- ostream & [operator<<](#) (ostream &os, const [tstdist](#) &td)
for enable using cout<<[tstdist_object];

2.3.1 Detailed Description

class to test methods in dist class

2.3.2 Friends And Related Function Documentation

2.3.2.1 operator<<

```
ostream& operator<< (
    ostream & os,
    const tstdist & td ) [friend]
```

for enable using cout<<[tstdist_object];

< similary to operator<<(ostream& os, const engm& em);

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

- D:/4/inf_sys_dev/lab/lab5/classes.h
- D:/4/inf_sys_dev/lab/lab5/classes.cpp

Index

dist, [3](#)
 em2m, [4](#)
 m2em, [4](#)
 operator<<, [4](#)

em2m
 dist, [4](#)

engm, [4](#)
 operator<<, [5](#)
 operator==, [5](#)

m2em
 dist, [4](#)

operator<<
 dist, [4](#)
 engm, [5](#)
 tstdist, [6](#)

operator==
 engm, [5](#)

tstdist, [6](#)
 operator<<, [6](#)