Coordinate Class Reference

Public Member Functions

Coordinate (double aX, double aY, double aZ)

Constructor for the Coordinate Class. More...

~Coordinate ()

Destructor for the Coordinate Class. More...

double getX ()

Retrieves the X Coordinate. More...

double getY ()

Retrieves the Y Coordinate. More...

double getZ ()

Retrieves the Z Coordinate. More...

void **setX** (const double &aX)

Sets the X Coordinate. More...

void setY (const double &aY)

Sets the Y Coordinate. More...

void setZ (const double &aZ)

Sets the Z Coordinate. More...

void setXYZ (const double &aX, const double &aY, const double &aZ)

Sets the X, Y and Z Coordinates. More...

bool **operator==** (const **Coordinate** &rhs) const

Private Member Functions

double convertM2F (double)

Convert Meters to Feet. More...

double convertF2M (double)

Convert Feet to Meters. More...

Coordinate ()

Constructor for the Coordinate Class. More...

Private Attributes

double **x**

double **y**

double z

Constructor & Destructor Documentation

Coordinate() [1/2]

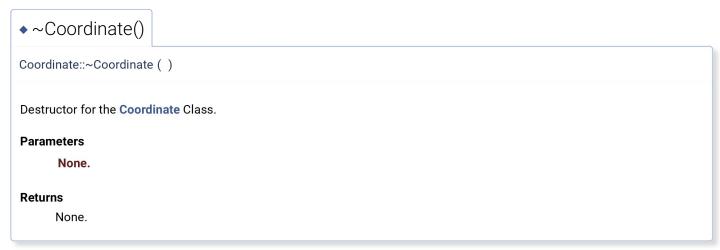
```
Coordinate::Coordinate ( double aX, double aY, double aZ )

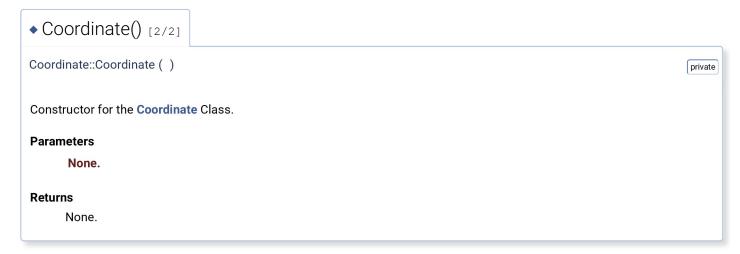
Constructor for the Coordinate Class.

Parameters

aX This is the X Coordinate
aY This is the Y Coordinate
aZ This is the Z Coordinate

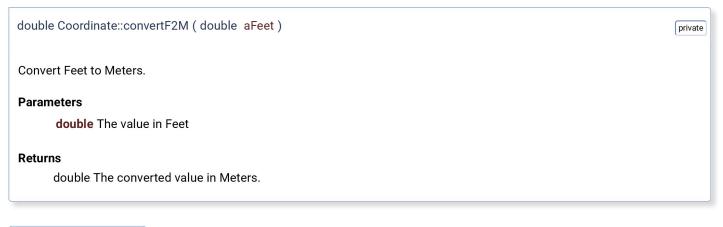
Returns
None.
```

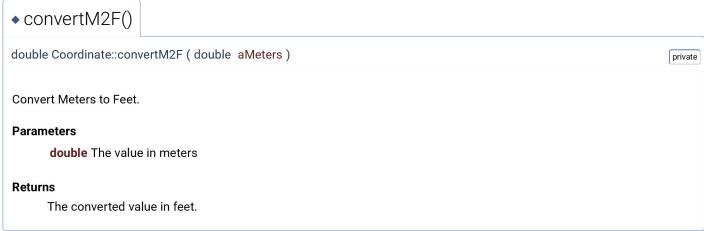


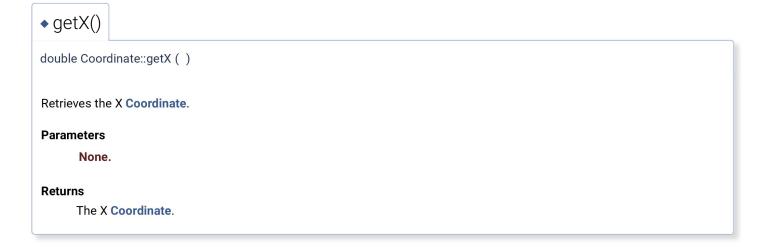


Member Function Documentation

• convertF2M()







getY()



◆ getZ()
 double Coordinate::getZ ()
 Retrieves the Z Coordinate.
 Parameters

 None.

 Returns

 The Z Coordinate.



• setXYZ()

```
◆ setY()

void Coordinate::setY ( const double & aY )

Sets the Y Coordinate.

Parameters

aY The new value of the Y Coordinate.

Returns

None.
```



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

- C:/Users/ethan/source/repos/ENPM808X_Midterm-master/include/Coordinate.hpp
- C:/Users/ethan/source/repos/ENPM808X_Midterm-master/app/Coordinate.cpp

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