



Package [main](#)

Class Coordinate

`java.lang.Object`
`main.Coordinate`

```
public class Coordinate
    extends java.lang.Object
```

The `Coordinate` class models a `Coordinate` on the map with a longitude and a latitude

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Constructor Summary

Constructors

Constructor	Description
<code>Coordinate()</code>	Empty constructor of the <code>Coordinate</code> class, which initializes the longitude and latitude of the <code>Coordinate</code> to 0
<code>Coordinate</code> <code>(double lon, double lat)</code>	Copy constructor of the <code>Coordinate</code> class, which initializes the longitude and latitude of the <code>Coordinate</code> to given values

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
boolean	<code>equals</code> (<code>java.lang.Object obj</code>)	
double	<code>getLat</code> ()	Getter for the latitude of the <code>Coordinate</code>
double	<code>getLon</code> ()	Getter for the longitude of the <code>Coordinate</code>
int	<code>hashCode</code> ()	
void	<code>setLat</code> (double lat)	Setter for the latitude of the <code>Coordinate</code>
void	<code>setLon</code> (double lon)	Setter for the longitude of the <code>Coordinate</code>



Constructor Detail

Coordinate

```
public Coordinate()
```

Empty constructor of the Coordinate class, which initializes the longitude and latitude of the Coordinate to 0

Coordinate

```
public Coordinate(double lon,  
                  double lat)
```

Copy constructor of the Coordinate class, which initializes the longitude and latitude of the Coordinate to given values

Parameters:

`lon` - the longitude of the Coordinate

`lat` - the latitude of the Coordinate

Method Detail

getLon

```
public double getLon()
```

Getter for the longitude of the Coordinate

Returns:

the longitude of the Coordinate

setLon

```
public void setLon(double lon)
```

Setter for the longitude of the Coordinate

getLat

```
public double getLat()
```

Getter for the latitude of the Coordinate

Returns:

the latitude of the Coordinate

setLat

```
public void setLat(double lat)
```

Setter for the latitude of the Coordinate

Parameters:

lat - the new latitude of the Coordinate

hashCode

```
public int hashCode()
```

Overrides:

hashCode in class `java.lang.Object`

equals

```
public boolean equals(java.lang.Object obj)
```

Overrides:

equals in class `java.lang.Object`