

Package [main](#)

## Class Location

`java.lang.Object`  
`main.Location`

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

The Location class models a Location with a name, a type and a Coordinate

Author:  
calchen

### Constructor Summary

Constructors	
Constructor	Description
<code><b>Location</b>(java.lang.String name, java.lang.String type, <b>Coordinate</b> coord)</code>	Copy constructor of the Location class, which initializes the name, the type and the Coordinate of the Location to given values

### Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
boolean	<code><b>equals</b>(java.lang.Object obj)</code>	<code>equals()</code> compares this Location with an Object, and returns true if the Object is a Location and has the same name as this Location, and false otherwise
<b>Coordinate</b>	<code><b>getCoord</b>()</code>	Getter for the Coordinate of the Location
java.lang.String	<code><b>getName</b>()</code>	Getter for the name of the Location
java.lang.String	<code><b>getType</b>()</code>	Getter for the type of the Location
int	<code><b>hashCode</b>()</code>	<code>hashCode()</code> sets the <code>hashCode</code> of the Location to the <code>hashCode</code> of its name



void	<b>setType</b>	Setter for the type of the Location
	(java.lang.String type)	

### Methods inherited from class java.lang.Object

getClass, notify, notifyAll, toString, wait, wait, wait

## Constructor Detail

### Location

```
public Location(java.lang.String name,  
                java.lang.String type,  
                Coordinate coord)
```

Copy constructor of the Location class, which initializes the name, the type and the Coordinate of the Location to given values

#### Parameters:

name - the name of the Location

type - the type of the Location

coord - the Coordinate of the Location

## Method Detail

### getName

```
public java.lang.String getName()
```

Getter for the name of the Location

#### Returns:

the name of the Location

### setName

```
public void setName(java.lang.String name)
```

**getType**

```
public java.lang.String getType()
```

Getter for the type of the Location

**Returns:**

the type of the Location

**setType**

```
public void setType(java.lang.String type)
```

Setter for the type of the Location

**Parameters:**

type - the new type of the Location

**getCoord**

```
public Coordinate getCoord()
```

Getter for the Coordinate of the Location

**Returns:**

the new Coordinate of the Location

**setCoord**

```
public void setCoord(Coordinate coord)
```

Setter for the Coordinate of the Location

**Parameters:**

coord - the new Coordinate of the Location

**hashCode**

```
public int hashCode()
```

the hash code of the Location's name

### equals

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

equals() compares this Location with an Object, and returns true if the Object is a Location and has the same name as this Location, and false otherwise

#### Overrides:

equals in class java.lang.Object

#### Parameters:

obj - an Object that we want to compare this Location to

#### Returns:

true if the Object is a Location and has the same name as this Location