

Class Point

java.lang.Object
Point

```
class Point
extends java.lang.Object
```

Version:

2.00, 18 Sep 2014 This class is designed to use for homework in 2190101. Point is a class to represent a point in a tuple of (x,y). The origin is defined at (0,0).

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Field Summary

Fields

Modifier and Type	Field and Description
static Point	origin The original point
double	x location x of this point
double	y location y of this point

Constructor Summary

Constructors

Constructor and Description
Point (double x_value, double y_value) The constructor method instantiates a new object.

Method Summary

Methods

Modifier and Type	Method and Description
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void

`clear()`

This method resets this point to the origin (0,0).

double

`distance(Point that)`

This method computes a distance from this point to "that" point.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Field Detail

x

`public double x`

location x of this point

y

`public double y`

location y of this point

origin

`public static Point origin`

The original point

Constructor Detail

Point

`Point(double x_value,
double y_value)`

The constructor method instantiates a new object.

Parameters:

`x_value` - The defined location x

`y_value` - The defined location y

Method Detail

clear

```
public void clear()
```

This method resets this point to the origin (0,0).

distance

```
public double distance(Point that)
```

This method computes a distance from this point to "that" point.

Parameters:

that - The other point "that"

Returns:

distance The distance to "that" point

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