

22100061


권혁민 (Hyeokmin Kwon)

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khm38@권혁민 MINGW64 /c/권혁민/한동대학교/2/1학기/JAVA/hw3 (master)
$ javadoc -d javadoc -sourcepath src -subpackages edu.handong.csee.java.encapsulation
Loading source files for package edu.handong.csee.java.encapsulation...
Constructing Javadoc information...
Creating destination directory: "javadoc\"
Building index for all the packages and classes...
Standard Doclet version 21.0.2+13-LTS-58
Building tree for all the packages and classes...
Generating javadoc\edu\handong\csee\java\encapsulation\CreateObjectDemonstrator.html...
src\edu\handong\csee\java\encapsulation\CreateObjectDemonstrator.java:7: warning: no comment
public class CreateObjectDemonstrator {
    ^
src\edu\handong\csee\java\encapsulation\CreateObjectDemonstrator.java:7: warning: use of default constructor, which does not provide a comment
public class CreateObjectDemonstrator {
    ^
src\edu\handong\csee\java\encapsulation\CreateObjectDemonstrator.java:9: warning: no comment
    public static void main(String[] args) {
        ^
src\edu\handong\csee\java\encapsulation\CreateObjectDemonstrator.java:15: warning: no comment
        public void run() {
            ^
Generating javadoc\edu\handong\csee\java\encapsulation\shapes\Point.html...
src\edu\handong\csee\java\encapsulation\shapes\Point.java:3: warning: no comment
public class Point {
    ^
src\edu\handong\csee\java\encapsulation\shapes\Point.java:4: warning: no comment
    public int x = 0;
        ^
src\edu\handong\csee\java\encapsulation\shapes\Point.java:5: warning: no comment
    public int y = 0;
        ^
src\edu\handong\csee\java\encapsulation\shapes\Point.java:7: warning: no comment
    public Point(int a, int b) {
        ^
Generating javadoc\edu\handong\csee\java\encapsulation\shapes\Rectangle.html...
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:3: warning: no comment
public class Rectangle {
    ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:5: warning: no comment
    public int height = 0;
        ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:6: warning: no comment
    public Point origin;
        ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:4: warning: no comment
    public int width = 0;
        ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:9: warning: no comment
    public Rectangle() {
        ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:17: warning: no comment
    public Rectangle(int w, int h) {
        ^
src\edu\handong\csee\java\encapsulation\shapes\Rectangle.java:13: warning: no comment
    public Rectangle(Point p) {
        ^
```

```
Generating javadoc\edu\handong\csee\java\encapsulation\package-summary.html...
Generating javadoc\edu\handong\csee\java\encapsulation\package-tree.html...
Generating javadoc\edu\handong\csee\java\encapsulation\shapes\package-summary.html...
Generating javadoc\edu\handong\csee\java\encapsulation\shapes\package-tree.html...
Generating javadoc\overview-tree.html...
Generating javadoc\index.html...
Building index for all classes...
Generating javadoc\allclasses-index.html...
Generating javadoc\allpackages-index.html...
Generating javadoc\index-all.html...
Generating javadoc\search.html...
Generating javadoc\overview-summary.html...
Generating javadoc\help-doc.html...
18 warnings
```


```
khm38@권혁민 MINGW64 /c/권혁민/한동대학교/2/1학기/JAVA/hw3 (master)
$ ls
bin/  classes/  javadoc/  src/
```

## All the classes and Interfaces

	
SEARCH <input type="text" value="Search"/>	
<b>All Classes and Interfaces</b>	
<b>Classes</b>	
<b>Class</b>	<b>Description</b>
<b>CreateObjectDemonstrator</b>	This class is main class to create rectangle objects and use move functions to reset rect.
<b>Point</b>	setting point in this class
<b>Rectangle</b>	Setting Rectangle's position and move the object's points as well and getting area of the rectangle

CreateObjectDemonstrator class and interfaces

SEARCH

 Search

Package edu.handong.csee.java.encapsulation

Class CreateObjectDemonstrator

java.lang.Object<sup>↗</sup>  
edu.handong.csee.java.encapsulation.CreateObjectDemonstrator

```
public class CreateObjectDemonstrator
extends Object↗
```

This class is main class to create rectangle objects and use move functions to reset rect.

Constructor Summary

Constructors

Constructor	Description
CreateObjectDemonstrator()	This is a constructor for CreateObjectDemonstartor

Method Summary

All Methods

Static Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
static void	main(String <sup>↗</sup> [] args)	main to run program
void	run()	

main to run program

```
void          run()
```

to run program.

### Methods inherited from class `java.lang.Object` [↗](#) [🔗](#)

`clone`[↗](#), `equals`[↗](#), `finalize`[↗](#), `getClass`[↗](#), `hashCode`[↗](#), `notify`[↗](#), `notifyAll`[↗](#), `toString`[↗](#), `wait`[↗](#), `wait`[↗](#), `wait`[↗](#)

## Constructor Details

### CreateObjectDemonstrator

```
public CreateObjectDemonstrator()
```

This is a constructor for CreateObjectDemonstartor

## Method Details

### main

```
public static void main(String[] args)
```

main to run program

**Parameters:**

## Method Details

### main

```
public static void main(String[] args)
```

main to run program

**Parameters:**

args - for running

### run

```
public void run()
```

to run program.

Point Class

SEARCH

Search

Package

edu.handong.csee.java.encapsulation.shapes

Class

Point

java.lang.Object

edu.handong.csee.java.encapsulation.shapes.Point

public class Point

extends Object

setting point in this class

Constructor Summary

Constructors

Constructor	Description
Point(int a, int b)	this is a constructor to make points of the rectangle

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
int	getX()	getter for x
int	getY()	

Description

int	getX()	getter for x
int	getY()	getter for y
void	move(int x, int y)	to resize rectangle

Methods inherited from class java.lang.Object

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

Constructor Details

Point

public Point(int a, int b)

this is a constructor to make points of the rectangle

Parameters:

a - x point

b - y point

## Method Details

### getX

```
public int getX()
```

getter for x

**Returns:**

x

### getY

```
public int getY()
```

getter for y

**Returns:**

y

### move

```
public void move(int x,  
                 int y)
```

to resize rectangle

**Parameters:**

x -

y -

Rectangle class and interfaces

Package edu.handong.csee.java.encapsulation.shapes

Class Rectangle

java.lang.Object  
edu.handong.csee.java.encapsulation.shapes.Rectangle

```
public class Rectangle
extends Object
```

Setting Rectangle's postion and move the object's points as well and getting area of the rectangle

Constructor Summary

Constructors

Constructor	Description
Rectangle()	Constructing Default value of 0,0
Rectangle(int w, int h)	Constructing setting rect's position
Rectangle(Point p)	Constructing setting points
Rectangle(Point p, int w, int h)	Constructing setting origin one to new one

Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
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Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type	Method	Description
int	getArea()	a method for computing the area of the rectangle
int	getHeight()	getter for height
Point	getOrigin()	getter for origin point
int	getWidth()	getter for width
void	move(int x, int y)	a method for moving the rectangle

Methods inherited from class java.lang.Object  
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

## Constructor Details

### Rectangle

```
public Rectangle()
```

Constructing Default value of 0,0

### Rectangle

```
public Rectangle(Point p)
```

Constructing setting points

**Parameters:**

p - getting points from its class

### Rectangle

```
public Rectangle(int w,  
                 int h)
```

Constructing setting rect's position

**Parameters:**

w - width

h - height

## Method Details

### move

```
public void move(int x,  
                int y)
```

a method for moving the rectangle

### getArea

```
public int getArea()
```

a method for computing the area of the rectangle

**Returns:**

### getWidth

```
public int getWidth()
```

getter for width

**Returns:**

width



### getHeight

```
public int getHeight()
```

getter for height

**Returns:**

height

### getOrigin

```
public Point getOrigin()
```

getter for origin point

**Returns:**

origin object

Taken Time: 2 Hours and 10 minutes.

Program did not work well as it seemed CreateObjectDemonstrator.java could not import sub classes. But I have rewatched lectures and found out reason and solved. Still using gitbash to run java program was quite tricky for me. I found out that I have to sort out all the information given by Professor and have to work every single day to keep up to date. But I am glad that I got 5/5 for jChecker.!

