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Class Main

- java.lang.Object
- ◆ Main

public class Main
extends java.lang.Object

Constructor Summary

Constructors

Constructor Description

Main()

Method Summary

All Methods Static Methods Concrete Methods

Modifier and Type Method Description

Class Main 1

Main

Modifier and Type Method **Description** static double calcularArea (Figura f) static void main (java.lang.String[] args) Methods inherited from class java.lang.Object clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait Constructor Detail

♦ Main

public Main()

Method Detail

♦ main

public static void main (java.lang.String[] args) ♦ calcularArea

public static double calcularArea (Figura f)

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All Classes

• Class Summary

Class	Description
<u>Circulo</u>	Clase Circulo Calcula el área de un círculo
<u>Figura</u>	Superclase Figura Contiene el método abstracto CalcularArea que van a heredar las demás clases
<u>Main</u>	
Rectangulo	Clase Rectangulo Calcula el área de un rectángulo
Triangulo	Clase Triangulo Calcula el área de un triángulo

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All Classes

- Circulo
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 Triangulo

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All Packages

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Package Description <<u>Unnamed></u> clases

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Constant Field Values

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How This API Document Is Organized

This API (Application Programming Interface) document has pages corresponding to the items in the navigation bar, described as follows.

Overview

The <u>Overview</u> page is the front page of this API document and provides a list of all packages with a summary for each. This page can also contain an overall description of the set of packages.

Package

Each package has a page that contains a list of its classes and interfaces, with a summary for each. These pages may contain six categories:

- **♦** Interfaces
- **♦** Classes
- ♦ Enums
- **♦** Exceptions
- ♦ Errors
- ♦ Annotation Types

Class or Interface

Each class, interface, nested class and nested interface has its own separate page. Each of these pages has three sections consisting of a class/interface description, summary tables, and detailed member descriptions:

- ♦ Class Inheritance Diagram
- ◆ Direct Subclasses
- ♦ All Known Subinterfaces
- ♦ All Known Implementing Classes
- ♦ Class or Interface Declaration
- ♦ Class or Interface Description

- ♦ Nested Class Summary
- ♦ Field Summary
- ♦ Property Summary
- ♦ Constructor Summary
- ♦ Method Summary
- ♦ Field Detail
- ♦ Property Detail
- ♦ Constructor Detail
- ♦ Method Detail

Each summary entry contains the first sentence from the detailed description for that item. The summary entries are alphabetical, while the detailed descriptions are in the order they appear in the source code. This preserves the logical groupings established by the programmer.

Annotation Type

Each annotation type has its own separate page with the following sections:

- ♦ Annotation Type Declaration
- ♦ Annotation Type Description
- ♦ Required Element Summary
- ♦ Optional Element Summary
- ♦ Element Detail

Enum

Each enum has its own separate page with the following sections:

- ♦ Enum Declaration
- ◆ Enum Description
- ♦ Enum Constant Summary
- ♦ Enum Constant Detail

Tree (Class Hierarchy)

There is a <u>Class Hierarchy</u> page for all packages, plus a hierarchy for each package. Each hierarchy page contains a list of classes and a list of interfaces. Classes are organized by inheritance structure starting with java.lang.Object. Interfaces do not inherit from java.lang.Object.

- ♦ When viewing the Overview page, clicking on "Tree" displays the hierarchy for all packages.
- ♦ When viewing a particular package, class or interface page, clicking on "Tree" displays the hierarchy for only that package.

Deprecated API

The <u>Deprecated API</u> page lists all of the API that have been deprecated. A deprecated API is not recommended for use, generally due to improvements, and a replacement API is usually given. Deprecated APIs may be removed in future implementations.

Class or Interface 9

Index

The <u>Index</u> contains an alphabetic index of all classes, interfaces, constructors, methods, and fields, as well as lists of all packages and all classes.

All Classes

The All Classes link shows all classes and interfaces except non-static nested types.

Serialized Form

Each serializable or externalizable class has a description of its serialization fields and methods. This information is of interest to re-implementors, not to developers using the API. While there is no link in the navigation bar, you can get to this information by going to any serialized class and clicking "Serialized Form" in the "See also" section of the class description.

Constant Field Values

The Constant Field Values page lists the static final fields and their values.

Search

You can search for definitions of modules, packages, types, fields, methods and other terms defined in the API, using some or all of the name. "Camel-case" abbreviations are supported: for example, "InpStr" will find "InputStream" and "InputStreamReader".

This help file applies to API documentation generated by the standard doclet. Skip navigation links

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<u>C F G M R S T</u> All Classes All Packages

C

calcularArea(Figura) - Static method in class Main

<u>CalcularArea()</u> - Method in class clases. <u>Circulo</u>

Calcula el área del círculo con el número pi y el radio

CalcularArea() - Method in class clases. Figura

Método abstracto CalcularArea

<u>CalcularArea()</u> - Method in class clases.<u>Rectangulo</u>

Calcula el área del círculo con la base por la altura

<u>CalcularArea()</u> - Method in class clases.<u>Triangulo</u>

Calcula el área del círculo con la base por la altura entre dos

Circulo - Class in clases

Clase Circulo Calcula el área de un círculo

Circulo() - Constructor for class clases. Circulo

clases - package clases

F

Figura - Class in clases

Superclase Figura Contiene el método abstracto CalcularArea que van a heredar las demás clases <u>Figura()</u> - Constructor for class clases.<u>Figura</u>

G

getAltura() - Method in class clases.Rectangulo

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Muestra el valor de la altura

getAltura() - Method in class clases. Triangulo

Muestra el valor de la altura

getBase() - Method in class clases. Rectangulo

Muestra el valor de la base

getBase() - Method in class clases. Triangulo

Muestra el valor de la base

getRadio() - Method in class clases. Circulo

Muestra el valor del radio

M

main(String[]) - Static method in class Main

<u>Main</u> - Class in <u><Unnamed></u>

Main() - Constructor for class Main

R

Rectangulo - Class in <u>clases</u>
Clase Rectangulo Calcula el área de un rectángulo
Rectangulo() - Constructor for class clases.Rectangulo

S

setAltura(double) - Method in class clases.Rectangulo
Setter que determina el valor de la altura
setAltura(double) - Method in class clases.Triangulo
Setter que determina el valor de la altura
setBase(double) - Method in class clases.Rectangulo
Setter que determina el valor de la base
setBase(double) - Method in class clases.Triangulo
Setter que determina el valor de la base
setRadio(double) - Method in class clases.Circulo
Setter que determina el valor del radio

T

<u>Triangulo</u> - Class in <u>clases</u> Clase Triangulo Calcula el área de un triángulo <u>Triangulo()</u> - Constructor for class clases.<u>Triangulo</u>

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Packages

Package Description

<u>clases</u>

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index.html

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Hierarchy For All Packages

Package Hierarchies:

• clases

Class Hierarchy

- java.lang.Object
 - ♦ clases.Figura

♦ clases.Circulo

♦ clases.<u>Rectangulo</u>

♦ clases. Triangulo

♦ Main

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Package < Unnamed>

• Class Summary

Class Description Main

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Class Hierarchy

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Package <u>clases</u>

Class Circulo

- java.lang.Object
- - ♦ ♦ clases.Circulo

public class Circulo
extends Figura

Clase Circulo Calcula el área de un círculo

Constructor Summary

Constructors

Constructor Description Circulo ()

Class Hierarchy 19

Method Summary

All Methods Instance Methods Concrete Methods

Modifier Typ	Method	Description			
double	<pre>CalcularArea()</pre>	Calcula el área del círculo con el número pi y el radio			
double	<u>getRadio</u> ()	Muestra el valor del radio			
void	<pre>setRadio (double radio)</pre>	Setter que determina el valor del radio			
♦ Methods inherited from class java.lang.Object					
<pre>clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait</pre>					

Constructor Detail

♦ Circulo

public Circulo()

Method Detail

◊ CalcularArea

```
public double CalcularArea()
```

Calcula el área del círculo con el número pi y el radio Specified by:

CalcularArea in class Figura

Returns:

Valor del área del círculo

♦ getRadio

public double getRadio()

Muestra el valor del radio

Returns:

Valor del radio

♦ setRadio

public void setRadio (double radio)

Setter que determina el valor del radio

Parameters:

radio-

Skip navigation links

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- Package

Method Summary 20

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Method Detail 21

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- Method

Package clases

Class Figura

- java.lang.Object
- clases.Figura
- Direct Known Subclasses:

Circulo, Rectangulo, Triangulo

```
public abstract class Figura
extends java.lang.Object
```

Superclase Figura Contiene el método abstracto CalcularArea que van a heredar las demás clases

Constructor Summary

Constructors

Constructor Description Figura()

Class Figura 22

Method Summary

All Methods <u>Instance Methods</u> <u>Abstract Methods</u>

Modifier and Type Method Description

abstract double CalcularArea () Método abstracto CalcularArea

♦ Methods inherited from class java.lang.Object

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

Constructor Detail

♦ Figura

public Figura()

Method Detail

♦ CalcularArea

public abstract double CalcularArea()

Método abstracto CalcularArea

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Package clases

Class Rectangulo

- java.lang.Object
- <u>clases.Figura</u>
 - ♦ ♦ clases.Rectangulo

public class Rectangulo
extends Figura

Clase Rectangulo Calcula el área de un rectángulo

Constructor Summary

Constructors

Constructor Description Rectangulo()

Method Detail 24

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
double	<pre>CalcularArea()</pre>	Calcula el área del círculo con la base por la altura
double	<pre>getAltura()</pre>	Muestra el valor de la altura
double	<u>getBase</u> ()	Muestra el valor de la base
void	<pre>setAltura (double altura)</pre>	Setter que determina el valor de la altura
void	<u>setBase</u> (double base)	Setter que determina el valor de la base

♦ Methods inherited from class java.lang.Object

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

Constructor Detail

◊ Rectangulo

public Rectangulo()

Method Detail

♦ CalcularArea

```
public double CalcularArea()
```

Calcula el área del círculo con la base por la altura Specified by:

CalcularArea in class Figura

Returns:

Valor del área del rectángulo

♦ qetBase

public double getBase()

Muestra el valor de la base

Returns:

Valor de la base

♦ setBase

public void setBase (double base)

Setter que determina el valor de la base Parameters:

base -

Method Summary 25

♦ getAltura

```
public double getAltura()
```

Muestra el valor de la altura

Returns:

Valor de la altura

♦ setAltura

public void setAltura (double altura)

Setter que determina el valor de la altura Parameters:

altura-

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Package clases

Class Triangulo

- java.lang.Object
- <u>clases.Figura</u>
 - ♦ ♦ clases.Triangulo

public class Triangulo
extends Figura

Clase Triangulo Calcula el área de un triángulo

Constructor Summary

Constructors

Constructor Description Triangulo()

Class Triangulo 27

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
double	<pre>CalcularArea()</pre>	Calcula el área del círculo con la base por la altura entre dos
double	<pre>getAltura()</pre>	Muestra el valor de la altura
double	<u>getBase</u> ()	Muestra el valor de la base
void	<pre>setAltura (double altura)</pre>	Setter que determina el valor de la altura
void	<u>setBase</u> (double base)	Setter que determina el valor de la base

♦ Methods inherited from class java.lang.Object

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

Constructor Detail

♦ Triangulo

public Triangulo()

Method Detail

♦ CalcularArea

```
public double CalcularArea()
```

Calcula el área del círculo con la base por la altura entre dos Specified by:

CalcularArea in class Figura

Returns:

Valor del área del tritángulo

♦ qetBase

public double getBase()

Muestra el valor de la base

Returns:

Valor de la base

♦ setBase

public void setBase (double base)

Setter que determina el valor de la base Parameters:

base -

Method Summary 28

♦ getAltura

```
public double getAltura()
```

Muestra el valor de la altura

Returns:

Valor de la altura

♦ setAltura

public void setAltura (double altura)

Setter que determina el valor de la altura Parameters:

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Package clases

• Class Summary

Class Description

Circulo Clase Circulo Calcula el área de un círculo

Figura Superclase Figura Contiene el método abstracto CalcularArea que van a heredar las

demás clases

Rectangulo Clase Rectangulo Calcula el área de un rectángulo

<u>Triangulo</u> Clase Triangulo Calcula el área de un triángulo

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Hierarchy For Package clases

Package Hierarchies:

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Class Hierarchy

- java.lang.Object
 - ♦ clases.Figura

♦ clases.Circulo

♦ clases.<u>Rectangulo</u>

♦ clases. Triangulo

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