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Package hw7

package hw7

- [Classes](#)
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 - [DayOfYearSet](#)
 - [DayOfYearSet.DayOfYear](#)
 - This is a static inner class
 - [HW7](#)

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Hierarchy For Package hw7

Class Hierarchy

- java.lang.[Object](#)
 - hw7.[DayofYearSet](#)
 - hw7.[DayofYearSet.DayofYear](#)
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Uses of Package hw7

- Classes in [hw7](#) used by [hw7](#)

Class	Description
DayofYearSet	
DayofYearSet.DayofYear	This is a static inner class

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Package [hw7](#)

Class DayofYearSet.DayofYear

[java.lang.Object](#)
hw7.DayofYearSet.DayofYear

Enclosing class:
[DayofYearSet](#)

public static class DayofYearSet.DayofYear extends [Object](#)
This is a static inner class

• Constructor Summary

Constructors
Constructor
Description
[DayofYear\(\)](#)
default constructor 0 values will not be tought as a day
[DayofYear\(int dayV\)](#)
construsctor that takes just day value
[DayofYear\(int dayV, int monthV\)](#)
cinstructor that takes both day and month values

• Method Summary

All Methods

Static Methods

Instance Methods

Concrete Methods

Modifier and Type
Method
Description
protected void
[finalize\(\)](#)
overloaded finalize function. decreases totalDayofYear variable by one
int
[getday\(\)](#)
returns day value
static int
[igetTotalDayofyear\(\)](#)
this function returns static variavle that indicates total number of DayofYear object that has been created

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

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

• Constructor Details

- **DayofYear**

public DayofYear()
default constructor 0 values will not be thought as a day

- **DayofYear**

public DayofYear(int dayV)
constructor that takes just day value

Parameters:
dayV - this value is going to be converted day and month

- **DayofYear**

public DayofYear(int dayV, int monthV)
constructor that takes both day and month values

Parameters:
dayV - day parameter
monthV - month parameter

- **Method Details**

- **igetTotalDayofyear**

public static int igetTotalDayofyear()
this function returns static variable that indicates total number of DayofYear object that has been created

Returns:
int

- **finalize**

protected void finalize()
overloaded finalize function. decreases totalDayofYear variable by one

Overrides:
[finalize](#) in class [Object](#)

- **getday**

public int getday()
returns day value

Returns:
day value

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- Summary:
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Package [hw7](#)

Class DayofYearSet

[java.lang.Object](#)
hw7.DayofYearSet

public class DayofYearSet extends [Object](#)

• Nested Class Summary

Nested Classes
Modifier and Type
Class
Description
static class
[DayofYearSet.DayofYear](#)
This is a static inner class

• Constructor Summary

Constructors
Constructor
Description
[DayofYearSet\(\)](#)
default constructor
[DayofYearSet\(\[DayofYearSet.DayofYear\]\(#\)\[\] x\)](#)
constructor that takes array of DayofYear object
[DayofYearSet\(\[ArrayList\]\(#\)<\[DayofYearSet.DayofYear\]\(#\)> x\)](#)
constructor that takes ArrayList of DayofYear object

• Method Summary

All Methods

Instance Methods

Concrete Methods

Modifier and Type
Method
Description
void
[add](#)(int dayV, int monthV)
takes day and month values and creates object with them, then adds this object at the end of the DayofYear array
[DayofYearSet](#)
[complement](#)()

[DayofYearSet](#)
[difference](#)([DayofYearSet](#) x)
takes one object and removes the DayofYear objects from calling object that are present in taken object
[Boolean](#)
[equals](#)([DayofYearSet](#) x)
checks if the calling object and x are equal by comparing every object in their array

int
[getTotalDayofYear\(\)](#)

[DayofYearSet](#)
[intersection](#)([DayofYearSet](#) x)
 takes one object and make that object and calling object intersect then returns new object
 void
[printToFile](#)([String](#) name)
 prints the objects information in a file that named with calling object
 void
[remove](#)()
 removes DayofYear object from end of the DayofYear array
 void
[remove](#)(int x)
 removes DayofYear object from indicated location by x parameter
 int
[size](#)()

[String](#)
[ToString](#)()
 prints all objects in the array with specified style
[DayofYearSet](#)
[union](#)([DayofYearSet](#) x)
 takes one object and make that object and calling object union then returns object

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

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

• Constructor Details

◦ **DayofYearSet**

public DayofYearSet()
 default constructor

◦ **DayofYearSet**

public DayofYearSet([DayofYearSet.DayofYear](#)[] x)
 constructor that takes array of DayofYear object

Parameters:
 x - array parameter

◦ **DayofYearSet**

public DayofYearSet([ArrayList](#)<[DayofYearSet.DayofYear](#)> x)
 constructor that takes ArrayList of DayofYear object

Parameters:
 x - ArrayList parameter

• Method Details

◦ **add**

public void add(int dayV, int monthV)
 takes day and month values and creates object with them, then adds this object at the end of the DayofYear array

Parameters:
 dayV - day parameter
 monthV - month parameter

◦ **remove**

public void remove()
 removes DayofYear object from end of the DayofYear array

◦ **remove**

public void remove(int x)

removes DayofYear object from indicated location by x parameter

Parameters:

x - the location that indicates index that points the DayofYear object that is going to be removed

- **size**

public int size()

Returns:

size of current array

- **union**

public [DayofYearSet](#) union([DayofYearSet](#) x)

takes one object and make that object and calling object union then returns object

Parameters:

x - a set that is going to be union with calling object

Returns:

union set of calling object and x object

- **difference**

public [DayofYearSet](#) difference([DayofYearSet](#) x)

takes one object and removes the DayofYear objects from calling object that are present in taken object

Parameters:

x - a set that is going to be removed from calling object

Returns:

difference set of calling object and x object

- **intersection**

public [DayofYearSet](#) intersection([DayofYearSet](#) x)

takes one object and make that object and calling object intersect then returns new object

Parameters:

x - a set that is going to be intersect with calling object

Returns:

intersection set of calling object and x object

- **complement**

public [DayofYearSet](#) complement()

Returns:

complement set of calling object

- **ToString**

public [String](#) ToString()

prints all objects in the array with specified style

Returns:

trivia string

- **equals**

public [Boolean](#) equals([DayofYearSet](#) x)

checks if the calling object and x are equal by comparing every object in their array

Parameters:

x - parameter to be compared with calling object

Returns:

bool value

- **getTotalDayofYear**

public int getTotalDayofYear()

Returns:

total DayofYear object that has been created

- **printToFile**

public void printToFile([String](#) name) throws [IOException](#)
prints the objects information in a file that named with calling object

Parameters:

name - calling variables name

Throws:

[IOException](#) - exception

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Package [hw7](#)

Class HW7

[java.lang.Object](#)
hw7.HW7

public class HW7 extends [Object](#)

• Constructor Summary

Constructors
Constructor
Description
[HW7](#)()

• Method Summary

All Methods	Static Methods	Concrete Methods
Modifier and Type		
Method		
Description		
static void		
main (String [] args)		

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

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

• Constructor Details

- **HW7**

public HW7()

• Method Details

- **main**

public static void main([String](#)[] args) throws [IOException](#)

Parameters:
args - consol argument
Throws:
[IOException](#) - exception