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Package oop

Class DayofYearSet

java.lang.Object
     oop.DayofYearSet

All Implemented Interfaces:

java.lang.Cloneable

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public class **DayofYearSet**
extends java.lang.Object
implements java.lang.Cloneable

DayofYearSet is a Java class to represent a set of DayofYear objects

Nested Class Summary

Nested Classes

Modifier and Type	Class	Description
static class	**DayofYearSet.DayofYear**	DayofYear is a Java class to represent the day of the year.

Constructor Summary

Constructors

Constructor	Description
DayofYearSet()	Default constructer of DayofYearSet
DayofYearSet (java.util.ArrayList<**DayofYearSet.DayofYear**> set)	Constructor that takes a ArrayList of DayOfYear objects.

Method Summary

All Methods	**Static Methods**	**Instance Methods**	**Concrete Methods**

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ALL CLASSES

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SUMMARY: NESTED | FIELD | CONSTR | METHOD   DETAIL: FIELD | CONSTR | METHOD

~~DayofYearSet~~	~~complement()~~	complement method to find the complement of the set
DayofYearSet	**difference**(**DayofYearSet** other)	difference method to find the difference of 2 sets
boolean	**equals** (java.lang.Object otherObj)	equals method comparing DayofYearSet objects.
static int	**get_total_obj**()	static method that returns the total number of DayOfYear objects alive
DayofYearSet	**intersection**(**DayofYearSet** other)	intersection method to find the intersection of 2 sets
void	**remove**()	Method remove, removes the last element from the set
int	**size**()	• Method size returns the number of elements.
java.lang.String	**toString**()	ToString method to print DayofYearSet details.
DayofYearSet	**union**(**DayofYearSet** other)	union method to find the union of 2 sets

Methods inherited from class java.lang.Object

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

Constructor Detail

DayofYearSet

public DayofYearSet()

Default constructer of DayofYearSet

DayofYearSet

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SUMMARY: NESTED | FIELD | CONSTR | METHOD   DETAIL: FIELD | CONSTR | METHOD

~~set - ArrayList of DayofYear objects~~

Method Detail

toString

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

ToString method to print DayofYearSet details.

Overrides:
`toString` in class `java.lang.Object`

Returns:
DayofYearSet details

equals

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

equals method comparing DayofYearSet objects.

Overrides:
`equals` in class `java.lang.Object`

Parameters:
`otherObj` - other set to be compared with

Returns:
boolean type

union

```
public DayofYearSet union(DayofYearSet other)
```

union method to find the union of 2 sets

Parameters:
`other` - other set to be union with

Returns:

difference

public DayofYearSet difference(DayofYearSet other)

difference method to find the difference of 2 sets

Parameters:
other - other set to be difference with

Returns:
it will return DayofYearSet object

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intersection

public DayofYearSet intersection(DayofYearSet other)

intersection method to find the intersection of 2 sets

Parameters:
other - other set to be intersection with

Returns:
it will return DayofYearSet object

---

complement

public DayofYearSet complement()

complement method to find the complement of the set

Returns:
it will return DayofYearSet object

---

add

public void add(DayofYearSet.DayofYear newDate)

Method add, adds an element to the set

Parameters:
newDate - element from the user to be added

---

size

```
public int size()
```

• Method size returns the number of elements.

Returns:
integer type, number of elements

---

get_total_obj

```
public static int get_total_obj()
```

static method that returns the total number of DayOfYear objects alive

Returns:
integer type