

Package `dayofyearset`

Class `DayOfYearSet.DayOfYear`

`java.lang.Object`
`dayofyearset.DayOfYearSet.DayOfYear`

Enclosing class:
`DayOfYearSet`

```
public static class DayOfYearSet.DayOfYear
extends Object
```

DayOfYear class is a class keeps day and month as fields.

Constructor Summary

Constructors

Constructor	Description
<code>DayOfYear()</code>	Default constructors.
<code>DayOfYear(int newDay, int newMonth)</code>	Parameterized constructor.
<code>DayOfYear(DayOfYearSet.DayOfYear dayOfYear)</code>	Copy constructor.

Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description
int	<code>getDay()</code>	There are 2 integer fields (day and month) in DayOfYear class.
int	<code>getMonth()</code>	There are 2 integer fields (day and month) in DayOfYear class.
void	<code>setDay(int newDay)</code>	Takes a parameter and assign it to the day element.
void	<code>setMonth(int newMonth)</code>	Takes a parameter and assign it to the month element.
String	<code>toString()</code>	Converts month and day integers to a string.

Methods inherited from class `java.lang.Object`

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

Constructor Details

DayOfYear

```
public DayOfYear()
```

Default constructors. Assign 31 December to a DayOfYear object.

DayOfYear

```
public DayOfYear(int newDay,  
                 int newMonth)
```

Parameterized constructor. Takes two parameter and creates a new DayOfYear object. But here program checks exception. (1 year considered as 365 days.) For example 29 February is an exception. If user enter an exception, the program will be terminated after a warning message.

Parameters:

newDay - represent day of a month.

newMonth - represent month of a year.

DayOfYear

```
public DayOfYear(DayOfYearSet.DayOfYear dayOfYear)
```

Copy constructor. Takes a DayOfYear object and invokes parametrized constructor with its day and month element.

Parameters:

dayOfYear - represents object of DayOfYear.

Method Details

setDay

```
public void setDay(int newDay)
```

Takes a parameter and assign it to the day element.

Parameters:

newDay - represent new day.

setMonth

```
public void setMonth(int newMonth)
```

Takes a parameter and assign it to the month element.

Parameters:

newMonth - represent new month.

getDay

```
public int getDay()
```

There are 2 integer fields (day and month) in DayOfYear class.

Returns:

value of day as an integer.

getMonth

```
public int getMonth()
```

There are 2 integer fields (day and month) in DayOfYear class.

Returns:

value of month as an integer.

toString

```
public String toString()
```

Converts month and day integers to a string. (31, 12) --> 31 December.

Overrides:

`toString` in class `Object`