

JAVA.UTIL.TIMEZONE CLASS

http://www.tutorialspoint.com/java/util/java_util_timezone.htm

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Introduction

The **java.util.TimeZone** class represents a time zone offset, and also figures out daylight savings. Following are the important points about TimeZone:

- It takes into consideration various time zone.
- Through the method used under this class a program running in any country, gets a TimeZone object based on that particular country's time zone.

Class declaration

Following is the declaration for **java.util.TimeZone** class:

```
public abstract class TimeZone
    extends Object
    implements Serializable, Cloneable
```

Field

Following are the fields for **java.util.TimeZone** class:

- **static int LONG** -- This is the style specifier for getDisplayName indicating a long name, such as "Pacific Standard Time."
- **static int SHORT** -- This is the style specifier for getDisplayName indicating a short name, such as "Pacific.Standard Time".

Class constructors

S.N.	Constructor & Description
1	TimeZone This constructor is the single constructor for invocation by subclass constructors.

Class methods

S.N.	Method & Description
1	<u>Object clone</u> This method creates a copy of this TimeZon
2	<u>static String[] getAvailableIDs</u> This method gets all the available IDs supported.
3	<u>static String[] getAvailableIDsinrawOffset</u> This method gets the available IDs according to the given time zone offset in

milliseconds.

4

[static TimeZone getDefault](#)

This method gets the default TimeZone for this host.

5

[String getDisplayName](#)

This method returns a name of this time zone suitable for presentation to the user in the default locale.

6

[String getDisplayNameboolean daylight, int style](#)

This method returns a name of this time zone suitable for presentation to the user in the default locale.

7

[String getDisplayNameboolean daylight, int style, Locale locale](#)

This method returns a name of this time zone suitable for presentation to the user in the specified locale.

8

[String getDisplayNameLocale locale](#)

This method returns a name of this time zone suitable for presentation to the user in the specified locale.

9

[int getDSTSavings](#)

This method returns the amount of time to be added to local standard time to get local wall clock time.

10

[String getID](#)

This method gets the ID of this time zone

11

[abstract int getOffsetint era, int year, int month, int day, int dayOfWeek, int milliseconds](#)

This method gets the time zone offset, for current date, modified in case of daylight savings.

12

[int getOffsetlong date](#)

This method returns the offset of this time zone from UTC at the specified date.

13

[abstract int getRawOffset](#)

This method returns the amount of time in milliseconds to add to UTC to get standard time in this time zone.

14

[static TimeZone getTimeZoneStringID](#)

This method gets the TimeZone for the given ID.

15

[boolean hasSameRulesTimeZoneother](#)

This method returns true if this zone has the same rule and offset as another zone.

16

[abstract boolean inDaylightTimeDatedate](#)

This method queries if the given date is in daylight savings time in this time zone.

17

[static void setDefaultTimeZonezone](#)

This method sets the TimeZone that is returned by the getDefault method.

18

[void setIDStringID](#)

This method sets the time zone ID

19

[abstract void setRawOffsetintoffsetMillis](#)

This method sets the base time zone offset to GMT.

20

[abstract boolean useDaylightTime](#)

This method queries if this time zone uses daylight savings time.

Methods inherited

This class inherits methods from the following classes:

• java.util.Object

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