

# Class TimeKeeper

java.lang.Object

greenfoot.Actor

TimeKeeper

public class TimeKeeper

extends greenfoot.Actor

## TimeKeeper Class

A simple time keeper that keeps track of the time based on input in milliseconds.

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### Constructor Summary

Constructors	
Constructor	Description
<code>TimeKeeper</code> (int millis, int fontSize, int padding, greenfoot.Color foreground, greenfoot.Color background, int transparency)	Constructor for TimeKeeper class, calculates time information, sets instance variables and calls the method to update the TimeKeeper's visuals.

### Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
Modifier and Type	Method	Description	
void	<code>update()</code>	Called to update the visuals of the TimeKeeper.	
void	<code>update</code> (int millis)	Called to update the amount of milliseconds that will be displayed.	
static <code>String</code>	<code>zeroAdder</code> (int value, int digits)	Method that aids in the appearance of the scoreboard by generating Strings that fill in zeros before the score.	

SUMMARY: NESTED | FIELD | [CONSTR](#) | [METHOD](#)    DETAIL: FIELD | [CONSTR](#) | [METHOD](#)

`getOneObjectAtOffset, getRotation, getWorld, getWorldOfType, getX, getY, intersects, isAtEdge, isTouching, move, removeTouching, setImage, setLocation, setRotation, turn, turnTowards`

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

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

**Constructor Detail**

**TimeKeeper**

```
public TimeKeeper(int millis,
                  int fontSize,
                  int padding,
                  greenfoot.Color foreground,
                  greenfoot.Color background,
                  int transparency)
```

Constructor for TimeKeeper class, calculates time information, sets instance variables and calls the method to update the TimeKeeper's visuals.

**Parameters:**

- `millis` - Time in millis to be displayed
- `fontSize` - Size of the font for the text
- `padding` - Padding around the text
- `foreground` - Color of the text
- `background` - Color of the background
- `transparency` - Transparency of the TimeKeeper

**Method Detail**

**Parameters:**

`millis` - The number of milliseconds to be displayed

**update**

```
public void update()
```

Called to update the visuals of the TimeKeeper.

**zeroAdder**

```
public static String zeroAdder(int value, int digits)
```

Method that aids in the appearance of the scoreboard by generating Strings that fill in zeros before the score. For example: 27 ==> to 5 digits ==> 00027

**Parameters:**

`value` - integer value to use for score output

`digits` - number of zeros desired in the return String

**Returns:**

String built score, ready for display