PACKAGE CLASS USE TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS   FRAMES NO FRAMES   ALL CLASSES
SUMMARY: NESTED | FIELD | CONSTR | METHOD   DETAIL: FIELD | CONSTR | METHOD

classes

Class Instructor

java.lang.Object
    classes.Instructor

All Implemented Interfaces:

java.lang.Comparable<Instructor>

```
public class Instructor
extends java.lang.Object
implements java.lang.Comparable<Instructor>
```

Data object to represent a CS instructor.

Author:

bryan

Field Summary

Fields

Modifier and Type	Field and Description
private java.lang.String	**background** This instructor's professional background.
private int	**course1** A course slot to store a course this instructor teaches.
private int	**course2** A course slot to store a course this instructor teaches.
private int	**course3** A course slot to store a course this instructor teaches.
private int	**course4** A course slot to store a course this instructor teaches.
private int	**course5** A course slot to store a course this instructor teaches.
private int	**course6** A course slot to store a course this instructor teaches.
private int	**course7** A course slot to store a course this instructor teaches.

private int	**course8**
	A course slot to store a course this instructor teaches.
private java.lang.String	**degName**
	The name of this instructor's degree.
private int	**degYear**
	The year this instructor's degree was completed.
private java.lang.String	**email**
	This instructor's email address.
private java.lang.String	**firstName**
	The first name of this instructor.
private java.lang.String	**lastName**
	The last name of this instructor.
private java.lang.String	**name**
	The full name of this instructor.
private java.lang.String	**title**
	The title of this instructor.

Constructor Summary

Constructors

Constructor and Description
Instructor()
Just a regular constructor.

Method Summary

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

Modifier and Type	Method and Description
int	**compareTo**(**Instructor** dude)
	For sorting an ArrayList of instructors by their last name, then their first name, then their degree year.
boolean	**doesTeachCourse**(**Course** c)
	Determines whether or not this instructor teaches the given course.
java.lang.String	**fileBlock**()
	Creates a nice, readable plaintext representation of this object's attributes.
java.lang.String	**getBackground**()
	Standard getter.

int	**getCourse1**()
	Standard getter.
int	**getCourse2**()
	Standard getter.
int	**getCourse3**()
	Standard getter.
int	**getCourse4**()
	Standard getter.
int	**getCourse5**()
	Standard getter.
int	**getCourse6**()
	Standard getter.
int	**getCourse7**()
	Standard getter.
int	**getCourse8**()
	Standard getter.
java.lang.String	**getDegName**()
	Standard getter.
int	**getDegYear**()
	Standard getter.
java.lang.String	**getEmail**()
	Standard getter.
java.lang.String	**getFirstName**()
	Standard getter.
java.lang.String	**getLastName**()
	Standard getter.
java.lang.String	**getName**()
	Standard getter.
java.lang.String	**getTitle**()
	Standard getter.
void	**setBackground**(java.lang.String background)
	Standard setter.
void	**setCourse1**(int course1)
	Standard setter.
void	**setCourse2**(int course2)
	Standard setter.
void	**setCourse3**(int course3)
	Standard setter.

void	**setCourse4**(int course4)
	Standard setter.
void	**setCourse5**(int course5)
	Standard setter.
void	**setCourse6**(int course6)
	Standard setter.
void	**setCourse7**(int course7)
	Standard setter.
void	**setCourse8**(int course8)
	Standard setter.
void	**setDegName**(java.lang.String degName)
	Standard setter.
void	**setDegYear**(int degYear)
	Standard setter.
void	**setEmail**(java.lang.String email)
	Standard setter.
void	**setFirstName**(java.lang.String firstName)
	Standard setter.
void	**setLastName**(java.lang.String lastName)
	Standard setter.
void	**setName**(java.lang.String name)
	Standard setter.
void	**setTitle**(java.lang.String title)
	Standard setter.
java.lang.String	**toString**()
	Standard toString method.
java.lang.String	**tsvLine**()
	Creates a single-line TSV style representation of this object's data.

Methods inherited from class java.lang.Object

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

Field Detail

name

private java.lang.String name

The full name of this instructor.

firstName

```
private java.lang.String firstName
```

The first name of this instructor.

lastName

```
private java.lang.String lastName
```

The last name of this instructor.

title

```
private java.lang.String title
```

The title of this instructor.

background

```
private java.lang.String background
```

This instructor's professional background.

email

```
private java.lang.String email
```

This instructor's email address.

degName

```
private java.lang.String degName
```

The name of this instructor's degree.

degYear

```
private int degYear
```

The year this instructor's degree was completed.

course1

```
private int course1
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course2

```
private int course2
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course3

```
private int course3
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course4

```
private int course4
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course5

```
private int course5
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course6

```
private int course6
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course7

```
private int course7
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

course8

```
private int course8
```

A course slot to store a course this instructor teaches. If the "slot" is empty, 99 is used as a placeholder.

Constructor Detail

Instructor

```
public Instructor()
```

Just a regular constructor.

Method Detail

getName

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

Standard getter.

Returns:

This instructor's name.

doesTeachCourse

```
public boolean doesTeachCourse(Course c)
```

Determines whether or not this instructor teaches the given course.

Parameters:

c - The course to check.

Returns:

A boolean indicating whether or not this instructor teaches the given course.

setName

```
public void setName(java.lang.String name)
```

Standard setter. Also sets the first and last name fields.

Parameters:

name - The name to be assigned to this instructor.

fileBlock

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

Creates a nice, readable plaintext representation of this object's attributes.

Returns:

A string of plaintext containing this object's attributes.

tsvLine

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

Creates a single-line TSV style representation of this object's data.

Returns:

A single TSV line.

toString

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

Standard toString method.

Overrides:

`toString in class java.lang.Object`

Returns:

`The name of this instructor.`

getEmail

`public java.lang.String getEmail()`

Standard getter.

Returns:

`The referenced field.`

setEmail

`public void setEmail(java.lang.String email)`

Standard setter.

Parameters:

`email - The value to assign to this field.`

getDegName

`public java.lang.String getDegName()`

Standard getter.

Returns:

`The referenced field.`

setDegName

`public void setDegName(java.lang.String degName)`

Standard setter.

Parameters:

`degName - The value to assign to this field.`

getDegYear

`public int getDegYear()`

Standard getter.

Returns:

`The referenced field.`

setDegYear

```
public void setDegYear(int degYear)
```

Standard setter.

Parameters:

degYear - The value to assign to this field.

getTitle

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

Standard getter.

Returns:

The referenced field.

setTitle

```
public void setTitle(java.lang.String title)
```

Standard setter.

Parameters:

title - The value to assign to this field.

getBackground

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

Standard getter.

Returns:

The referenced field.

setBackground

```
public void setBackground(java.lang.String background)
```

Standard setter.

Parameters:

background - The value to assign to this field.

getFirstName

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

Standard getter.

Returns:

The referenced field.

setFirstName

```
public void setFirstName(java.lang.String firstName)
```

Standard setter.

Parameters:

firstName - The value to assign to this field.

getLastName

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

Standard getter.

Returns:

The referenced field.

setLastName

```
public void setLastName(java.lang.String lastName)
```

Standard setter.

Parameters:

lastName - The value to assign to this field.

getCourse1

```
public int getCourse1()
```

Standard getter.

Returns:

The referenced field.

setCourse1

```
public void setCourse1(int course1)
```

Standard setter.

Parameters:

course1 - The value to assign to this field.

getCourse2

```
public int getCourse2()
```

Standard getter.

Returns:

The referenced field.

setCourse2

```
public void setCourse2(int course2)
```

Standard setter.

Parameters:

course2 - The value to assign to this field.

getCourse3

```
public int getCourse3()
```

Standard getter.

Returns:

The referenced field.

setCourse3

```
public void setCourse3(int course3)
```

Standard setter.

Parameters:

course3 - The value to assign to this field.

getCourse4

```
public int getCourse4()
```

Standard getter.

Returns:

The referenced field.

setCourse4

```
public void setCourse4(int course4)
```

Standard setter.

Parameters:

course4 - The value to assign to this field.

getCourse5

```
public int getCourse5()
```

Standard getter.

Returns:

The referenced field.

setCourse5

```
public void setCourse5(int course5)
```

Standard setter.

Parameters:

course5 - The value to assign to this field.

getCourse6

```
public int getCourse6()
```

Standard getter.

Returns:

The referenced field.

setCourse6

```
public void setCourse6(int course6)
```

Standard setter.

Parameters:

course6 - The value to assign to this field.

getCourse7

```
public int getCourse7()
```

Standard getter.

Returns:

The referenced field.

setCourse7

```
public void setCourse7(int course7)
```

Standard setter.

Parameters:

course7 - The value to assign to this field.

getCourse8

```
public int getCourse8()
```

Standard getter.

Returns:

The referenced field.

setCourse8

```
public void setCourse8(int course8)
```

Standard setter.

Parameters:

course8 - The value to assign to this field.

compareTo

```
public int compareTo(Instructor dude)
```

For sorting an ArrayList of instructors by their last name, then their first name, then their degree year.

Specified by:

compareTo in interface java.lang.Comparable<Instructor>