

[OVERVIEW](#) [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](#)

databaseB

Class Table

[java.lang.Object](#)
[databaseB.Table](#)

```
public class Table
extends java.lang.Object
```

Table is a data structure that is used to represent a table. It will hold the table's table number, status, max occupancy, as well as the name of the waiter who is taking care of this table.

Author:

cms549

Field Summary

Fields

Modifier and Type	Field and Description
int	maxOccupancy How many people can sit at this table
char	status Status of table: r=ready, p=paid, s=seated
int	tableNumber Table number
java.util.Date	timeLastSat Time table was last sat.
java.lang.String	waiter Waiter who has this table

Constructor Summary

Constructors

Constructor and Description

```
Table(int tableNumber, int maxOccupancy)
```

Constructor - automatically initializes the status to ready

Method Summary

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

Modifier and Type	Method and Description
boolean	changeStatus (char status) Changes the tables status to the specified status
boolean	seat (java.lang.String waiter) Seats the table with the waiter specified.

Methods inherited from class java.lang.Object

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

Field Detail

timeLastSat

```
public java.util.Date timeLastSat
```

Time table was last sat.

tableNumber

```
public int tableNumber
```

Table number

status

```
public char status
```

Status of table: r=ready, p=paid, s=seated

waiter

```
public java.lang.String waiter
```

Waiter who has this table

maxOccupancy

```
public int maxOccupancy
```

How many people can sit at this table

Constructor Detail**Table**

```
public Table(int tableNumber,  
             int maxOccupancy)
```

Constructor - automatically initializes the status to ready

Parameters:

tableNumber - = table number of table to be created

maxOccupancy - = the amount of guests taht can sit at this table at once

Method Detail

seat

```
public boolean seat(java.lang.String waiter)
```

Seats the table with the waiter specified.

Parameters:

waiter - - name of the waiter who will get this table

Returns:

true on success, false if the table is not ready to be sat

changeStatus

```
public boolean changeStatus(char status)
```

Changes the tables status to the specified status

Parameters:

status -

Returns:

true on success, false if invalid status entered

[OVERVIEW](#) [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](#)