

Class OvernightPackage

```
java.lang.Object
  Package
    OvernightPackage
```

```
public class OvernightPackage
extends Package
```

Overnight package which extends the Package class. This calculates the cost of shipping including an additional overnight fee per ounce.

Field Summary

Fields

Modifier and Type	Field	Description
private double	overnightFee	The additional fee per ounce for overnight shipping.

Constructor Summary

Constructors

Constructor	Description
OvernightPackage (String name, String address, String city, String state, String ZIP, double weight_in_ounces, double cost_per_ounce, double flatFee)	Constructs an OvernightPackage object with specified attributes and while using attributes from Package super class.

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type	Method	Description
double	calculateCost ()	Calculates the total cost of shipping including the overnight fee.
double	getOvernightFee ()	Gets the overnight fee per ounce.
void	setOvernightFee (double overnightFee)	Sets the overnight fee per ounce.

String **toString()**

Generates a string representation of the OvernightPackage object.

Methods inherited from class Package

getAddress, getCity, getCost_per_ounce, getName, getState, getWeight_in_ounces, getZIP, setAddress, setCity, setCost_per_ounce, setName, setState, setWeight_in_ounces, setZIP

Methods inherited from class java.lang.Object

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

Field Details

overnightFee

private double overnightFee

The additional fee per ounce for overnight shipping.

Constructor Details

OvernightPackage

```
OvernightPackage(String name,
                  String address,
                  String city,
                  String state,
                  String ZIP,
                  double weight_in_ounces,
                  double cost_per_ounce,
                  double flatFee)
```

Constructs an OvernightPackage object with specified attributes and while using attributes from Package super class.

Parameters:

flatFee - the flat fee for shipping

Method Details

calculateCost

```
public double calculateCost()
```

Calculates the total cost of shipping including the overnight fee.

Overrides:

calculateCost in class Package

Returns:

the total cost of shipping

getOvernightFee

```
public double getOvernightFee()
```

Gets the overnight fee per ounce.

Returns:

the overnight fee per ounce

setOvernightFee

```
public void setOvernightFee(double overnightFee)
```

Sets the overnight fee per ounce.

Parameters:

overnightFee - the new overnight fee per ounce

toString

```
public String toString()
```

Generates a string representation of the OvernightPackage object.

Overrides:

toString in class Package

Returns:

a string representation of the object