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Class CoffeeDrink

```
java.lang.Object
    DrinkItem
        CoffeeDrink
```

All Implemented Interfaces:

```
java.lang.Comparable
```

```
public class CoffeeDrink
    extends DrinkItem
```

The CoffeeDrink class is a subclass of the DrinkItem superclass that contains method overrides and has specific implementation for a coffee drink.

Since:

2019-02-20

Constructor Summary

Constructors

Constructor and Description

[CoffeeDrink\(\)](#)

Default constructor initializes instance variables

Method Summary

All Methods Instance Methods Concrete Methods

Modifier and Type

Method and Description

double

[getCost\(\)](#)

Calculates cost of coffee based on size.

void

[setBase](#)(java.lang.String baseChoice)

Sets the coffee base by selecting a string from the bases array.

void

[setSweetness](#)(java.lang.String sweetnessChoice)

Calculates sweetness by number of sugar teaspoons.

java.lang.String

[toString\(\)](#)

Formats the description of a coffee drink purchased in receipt format that lists coffee sold and its details

Methods inherited from class `DrinkItem`

`compareTo`, `getBase`, `getCouponApplied`, `getCouponDiscount`, `getDrinkName`, `getSize`, `getSweetness`, `max`, `setCouponApplied`, `setCouponDiscount`, `setDrinkName`, `setSize`, `validateOption`

Methods inherited from class `java.lang.Object`

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

Constructor Detail

CoffeeDrink

```
public CoffeeDrink()
```

Default constructor initializes instance variables

Method Detail

setBase

```
public void setBase(java.lang.String baseChoice)
```

Sets the coffee base by selecting a string from the bases array.

Overrides:

`setBase` in class `DrinkItem`

Parameters:

`baseChoice` - - the user's base of choice

setSweetness

```
public void setSweetness(java.lang.String sweetnessChoice)
```

Calculates sweetness by number of sugar teaspoons.

Overrides:

`setSweetness` in class `DrinkItem`

Parameters:

`sweetnessChoice` - - number of sugar teaspoons.

getCost

```
public double getCost()
```

Calculates cost of coffee based on size.

Specified by:

`getCost` in class `DrinkItem`

Returns:

- cost of the coffee drink

toString

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

Formats the description of a coffee drink purchased in receipt format that lists coffee sold and its details

Overrides:

`toString` in class `DrinkItem`

Returns:

- a nicely formatted string in receipt format

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