

Model

Enum PlantPieces

```
java.lang.Object
  java.lang.Enum<PlantPieces>
    Model.PlantPieces
```

All Implemented Interfaces:

java.io.Serializable, java.lang.Comparable<PlantPieces>

```
public enum PlantPieces
extends java.lang.Enum<PlantPieces>
```

The Model.PlantPieces enumerated class provides the PlantsVSZombie game with a designated (char) shortName for each Model.PlantPieces type. This enum class includes a Model.PlantPieces(char) constructor that creates the Model.PlantPieces and then designates it's shortName character and includes a getShortName() method. In version 1.0, this char includes 'P', 'Z', 'S' which represents the Model.Peashooter, Model.Zombie and Model.Sunflower respectively.

Version:

1.0

Author:

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Enum Constant Summary

Enum Constants

| Enum Constant and Description | |
|-------------------------------|--|
| PEASHOOTER | |
| SUNFLOWER | |
| ZOMBIES | |

Field Summary

Fields

| Modifier and Type | Field and Description |
|------------------------|-----------------------|
| (package private) char | shortName |

Method Summary

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

| Modifier and Type | Method and Description |
|-----------------------------|--|
| char | getShortName() When getShortName() method is called, it returns the character (char) that is associated with the Model.PlantPieces object. |
| static PlantPieces | valueOf(java.lang.String name) Returns the enum constant of this type with the specified name. |
| static PlantPieces[] | values() Returns an array containing the constants of this enum type, in the order they are declared. |

Methods inherited from class java.lang.Enum

clone, compareTo, equals, finalize, getDeclaringClass, hashCode, name, ordinal, toString, valueOf

Methods inherited from class java.lang.Object

getClass, notify, notifyAll, wait, wait, wait

Enum Constant Detail

SUNFLOWER

```
public static final PlantPieces SUNFLOWER
```

PEASHOOTER

```
public static final PlantPieces PEASHOOTER
```

ZOMBIES

```
public static final PlantPieces ZOMBIES
```

Field Detail

shortName

```
final char shortName
```

Method Detail

values

```
public static PlantPieces[] values()
```

Returns an array containing the constants of this enum type, in the order they are declared. This method may be used to iterate over the constants as follows:

```
for (PlantPieces c : PlantPieces.values())  
    System.out.println(c);
```

Returns:

an array containing the constants of this enum type, in the order they are declared

valueOf

```
public static PlantPieces valueOf(java.lang.String name)
```

Returns the enum constant of this type with the specified name. The string must match *exactly* an identifier used to declare an enum constant in this type. (Extraneous whitespace characters are not permitted.)

Parameters:

name - the name of the enum constant to be returned.

Returns:

the enum constant with the specified name

Throws:

`java.lang.IllegalArgumentException` - if this enum type has no constant with the specified name

`java.lang.NullPointerException` - if the argument is null

getShortName

```
public char getShortName()
```

When `getShortName()` method is called, it returns the character (char) that is associated with the `Model.PlantPieces` object. In version 1.0, this char includes 'P', 'Z', 'S' which represents the `Model.Peashooter`, `Model.Zombie` and `Model.Sunflower` respectively.

Returns:

shortName A char associated with the Model.PlantPieces object. This char is represented on the board as the piece.

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