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Enum PlantPieces

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

All Implemented Interfaces:

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

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

The PlantPieces enumerated class provides the PlantsVSZombie game with a designated (char) shortName for each PlantPieces type. This enum class includes a PlantPieces(char) constructor that creates the 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 Peashooter, Zombie and Sunflower respectively.

Version:

1.0

Author:

Ryan Gaudreault

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

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

Returns:

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