

Class PasswordCheckerUtility

java.lang.Object
 extended by PasswordCheckerUtility

public final class PasswordCheckerUtility
extends java.lang.Object

Constructor Summary

[PasswordCheckerUtility\(\)](#)

Method Summary

| | |
|--|---|
| static boolean | isValidPassword (java.lang.String passwordString) Return true if valid, returns false if an invalid password |
| static boolean | isWeakPassword (java.lang.String passwordString) Return true if length of password is greater or equal to 6 but less than or equal to 9 |
| static java.util.ArrayList<java.lang.String> | invalidPasswords (java.util.ArrayList<java.lang.String> passwords) Returns an arraylist of invalid passwords (weak passwords are not considered invalid) |

Methods inherited from class java.lang.Object

[equals](#), [getClass](#), [hashCode](#), [notify](#), [notifyAll](#), [toString](#), [wait](#), [wait](#), [wait](#)

Constructor Detail

PasswordCheckerUtility

public PasswordCheckerUtility()

Method Detail

isValidPassword

```
public static boolean isValidPassword(java.lang.String passwordString)
    throws LengthException,
           NoDigitException,
           NoUpperAlphaException,
           NoLowerAlphaException,
           InvalidSequenceException
```

Returns true if valid password. Throws exceptions for invalid passwords. Valid if password is greater than or equal to 6 characters, has at least one digit, has at least on upper-case alphabetic character, has at least on lower-case alphabetic character, and has no more than two of the same character in a row.

Parameters:

passwordString - - string to be checked for validity

Returns:

true if valid password, set up to return false if an invalid password, but throws an exception instead.

Throws:

LengthException - thrown if length is less than 6 characters

NoDigitException - thrown if no digit

NoUpperAlphaException - thrown if no uppercase alphabetic

NoLowerAlphaException - thrown if no lowercase alphabetic

InvalidSequenceException - thrown if more than 2 of same character.

isWeakPassword

```
public static boolean isWeakPassword(java.lang.String passwordString)
```

Return true if length of password is greater than or equal to 6 but less than or equal to 9

Parameters:

passwordString - string to be checked if weak password

Returns:

true if length of password is greater than or equal to 6 but less than or equal to 9

invalidPasswords

```
public static java.util.ArrayList<java.lang.String> invalidPasswords(java.util.ArrayList<java.lang.String> passwords)
```

Returns an arraylist of invalid passwords (weak passwords are not considered invalid)

Parameters:

passwords - arraylist of passwords to check for validity

Returns:

arraylist of invalid passwords. It will not return weak passwords.

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