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Spectro

Class FileMgmt

java.lang.Object
        Spectro.FileMgmt

Direct Known Subclasses:

AccountStorage

```
public class FileMgmt
extends java.lang.Object
```

FileMgmt is the base class for managing files(.txt) operation including reading data from a file and writing data into a file.

Since:

1.7

Field Summary

Fields

Modifier and Type	Field and Description
protected java.util.Scanner	**fileData** The content of the file.

Constructor Summary

Constructors

Constructor and Description
FileMgmt()

Method Summary

Methods

Modifier and Type	Method and Description
void	**closeFile**(java.lang.String fileName) Close a specified file

java.util.Scanner	**getData**()
	This class is used to get the content of the file
void	**openFile**(java.lang.String fileName)
	Open a specified file
java.lang.String	**readFile**(java.lang.String fileName)
	Read a file, and Return the content of that file in String
java.lang.String	**readLine**(java.lang.String fileName, int lineIndex)
	Returns the content of a line in file at the specified index.
void	**writeFile**(java.lang.String fileName, java.lang.String fileContent, boolean appendOrNot)
	Write specified data to a specified file in terms of appending data to the end of the file or not.

Methods inherited from class java.lang.Object

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

Field Detail

fileData

protected java.util.Scanner fileData

The content of the file.

See Also:

Scanner

Constructor Detail

FileMgmt

public FileMgmt()

Method Detail

getData

public java.util.Scanner getData()

This class is used to get the content of the file

Returns:

the content of the file

openFile

```
public void openFile(java.lang.String fileName)
```

Open a specified file

Parameters:

`fileName` - the file to be open

closeFile

```
public void closeFile(java.lang.String fileName)
```

Close a specified file

Parameters:

`fileName` - the file to be closed

readFile

```
public java.lang.String readFile(java.lang.String fileName)
```

Read a file, and Return the content of that file in String

Parameters:

`fileName` - the file name of a txt file that store data

Returns:

the content of the file in String

readLine

```
public java.lang.String readLine(java.lang.String fileName,
                                 int lineIndex)
```

Returns the content of a line in file at the specified index.

Parameters:

`fileName` - the name of a file read from

`lineIndex` - the index of the desired line

Returns:

the content of the desired line

writeFile

```
public void writeFile(java.lang.String fileName,
              java.lang.String fileContent,
              boolean appendOrNot)
```

Write specified data to a specified file in terms of appending data to the end of the file or not.

Parameters:

fileName - name of the file to be written

fileContent - the content to be written

appendOrNot - append to the original file data or not

See Also:

FileWriter