Package 'medparser'

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Type Package

Title MedPC Text Parser

Version 0.1.0

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Description Parses information from text files with specific utility aimed at pulling information from Med Associate's (MPC) files. These functions allow for further analysis of MPC files.

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Encoding UTF-8

RoxygenNote 7.3.1

NeedsCompilation no

Repository CRAN

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R topics documented:

DecimalStringToInteger

DecimalStringToInteger

Description

Converts string into integer

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Usage

```
DecimalStringToInteger(string)
```

Arguments

string   Character to be converted into an integer

Value

integer   An integer

Author(s)

Olivia Ortelli, Tony Colarusso

Examples

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
B_index = 1+grep("B:", allText[-1], value = FALSE)
Left_LeverPressBout = DecimalStringToInteger(PullStringFromIndex(allText,B_index+1))
```

PullStringFromIndex   *PullStringFromIndex*

Description

Pulls indices from MPC arrays

Usage

```
PullStringFromIndex(allText, index)
```

Arguments

allText   Character string containing MPC file

index   A number specifying the index where the array or value of interest begins in the
                MPC file

Value

stringValue   A character string following the index start

Author(s)

Olivia Ortelli, Tony Colarusso

Examples

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
B_index = 1+grep("B:", allText[-1], value = FALSE)
Left_LeverPressBout = DecimalStringToInteger(PullStringFromIndex(allText,B_index+1))
```

PullStringFromTextSearch

PullStringFromTextSearch

Description

Pulls string following specified text

Usage

```
PullStringFromTextSearch(allText, text)
```

Arguments

allText	Character string containing MPC file
text	A character string where matches are searched for

Value

stringValue	A character string where matches are searched for

Author(s)

Olivia Ortelli, Tony Colarusso

Examples

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
SubjectID = PullStringFromTextSearch(allText, "Subject:")
```

| TimestampPull | *TimestampPull* |

Description

Pulls timestamps in H:M:S format

Usage

```
TimestampPull(allText, HMSindex)
```

Arguments

allText	Character string containing MPC file
HMSindex	A number specifying the index to pull from the H, M, and S arrays

Value

HMS	A single character combining the values from the H, M, and S arrays to read a complete time stamp (H:)

Author(s)

Olivia Ortelli, Tony Colarusso

Examples

```
file_path <- system.file("extdata", "ExampleMPCOutput.txt", package = "medparser")
allText = readLines(file_path)
C_index = 1+grep("C:", allText[-1], value = FALSE)
H_index = 1+grep("H:", allText[-1], value = FALSE)
M_index = 1+grep("M:", allText[-1], value = FALSE)
NumberOfTimestampsRecorded = (M_index-1)-(H_index+1)
firsttimestamp = TimestampPull(allText,1)
```

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