

Package ‘medparser’

July 30, 2025

Type Package

Title MedPC Text Parser

Version 0.2.0

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

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Repository CRAN

Date/Publication 2025-07-30 17:20:11 UTC

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DecimalStringToInteger
DecimalStringToInteger

Description

Converts string into integer

Usage

```
DecimalStringToInteger(string)
```

Arguments

string	Character to be converted into an integer
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Value

integer	An integer
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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	<i>PullStringFromIndex</i>
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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
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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
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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:)
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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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