

About

HelgeffegleH edited this page on 15 Oct 2017 · 5 revisions

Introduction

This is a small function library for doing some basic *buffer* operations, these include and are limited to

- Finding.
- Counting.
- Writing (very primitive).

Functions are available for buffer types `char*` (byte) and `short*` (2 bytes).

Documentation

Finding

Finds the first occurance of `ned` in `hay` .

```
p := buf_byte_find(hay, ned, haylen, nedlen)
p := buf_short_find(hay, ned, haylen, nedlen)
```

- `hay` , buffer to search in.
- `ned` , buffer to find in `hay` .
- `haylen` , length of the buffer `hay` .
- `nedlen` , length of the buffer `ned` .
- `p` , the position of the start of `ned` in `hay` . Index is zero based. Returns `-1` if `ned` is not in `hay` .

Counting

Counts the number of occurrences of `ned` in `hay` .

```
n := buf_byte_count(hay, ned, haylen, nedlen, overlap:=false)
n := buf_short_count(hay, ned, haylen, nedlen, overlap:=false)
```

- `hay` , buffer to search in.
- `ned` , buffer to find in `hay` .
- `haylen` , length of the buffer `hay` .
- `nedlen` , length of the buffer `ned` .
- `overlap` , specify `false` to not count overlapping occurances, specify `true` to count overlaps. Eg, `aaa` has two occurances of `aa` if `overlap` is `true` . Default is `false` .
- `n` , the number of occurrences of `ned` in `hay` . Returns `0` if not found.

Writing

Finds position `p` of `ned` in `hay` , and writes `wrt` into hay at `p+offset` .

```
n := buf_byte_write(hay, ned, wrt, haylen, nedlen, wrtlen, count:=-1, offset:=0)
n := buf_short_write(hay, ned, wrt, haylen, nedlen, wrtlen, count:=-1, offset:=0)
```

- `hay` , buffer to search in.
- `ned` , buffer to find in `hay` .
- `wrt` , buffer to write in `hay` at `ned` 's position + `offset` .
- `haylen` , length of the buffer `hay` .
- `nedlen` , length of the buffer `ned` .
- `wrtlen` , length of the buffer `wrt` .
- `count` , maximum number of writes to do, specify `-1` to write at all matches, default.
- `offset` , specify a offset from where `ned` is found to where `wrt` is written.
- `n` , return, the number of writes made.

Note: After a write, the search continues `wrtlen` steps forward from the match, not from the write.

Example using offset,

```
buf_short_write(hay:="abc", ned:="b", wrt:="d", 3, 1, 1,, offset:=-1)
msgbox(hay) ; dbc
```

▼ Pages 1

Find a Page...

About

Clone this wiki locally

https://github.com/Helgeffe



