
clang-api-doc Documentation

Release latest

Sep 14, 2021

1	C API documentation	1
----------	----------------------------	----------

- Copyright (c) 2001, Someone
 -
 - There is some license.
 - Find the file somewhere.
 -
-

1.1 THIS IS A GLOBAL COMMENT AND THE FILE HEADING

MYLIB_CONSTANT 3.24:

Some physical constant [A/m²]

```
static const double mylib_constant_b() { return 3.34; }:
```

Another physical constant [ps/rad], defined differently

MYLIB_INDEX_A 0:

Enumeration index for object A

MYLIB_INDEX_B 1:

Enumeration index for object B

MYLIB_INDEX_C 2:

Enumeration index for object C

struct state:

Some important, but opaque state struct

```
struct point { float x; float y; float z; }:
```

Some transparent point struct

```
typedef enum { some_value = 0, other_value = 1, next_value = 2, last_value = 3, } mylib_values:
```

Typedef enum... this might be a bit tricky to format nicely.

Would be better to have `typedef enum mylib_values` and then the values

- `some_value = 0,`
 - `other_value = 1,`
 - `next_value = 2,`
 - `last_value = 3,`
-

```
int mylib_version():
```

Version information

```
bool perform_operation(state * state, int some_index=-1):
```

Move between images (change `active_image`)

1.2 THIS IS AN EXAMPLE FOR GLOBAL COMMENT INSERTION

```
bool mylib_example(state * state, int some_index=-1):
```

This comment will appear in the docs

```
bool mylib_something(state * state, int n=1, float init=0.1f):
```

These comment lines will all appear in the docs

Takes

- `n`: the number of some things
 - `init`: the initial value of something
-

Returns

- Whether something was successful

For example, if you want to do *something*, call `bool success = mylib_something(mystate, 100, 2.0f);`
