

Docogen Example

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Abstract

I went down to the river, I set down on the bank. I tried to think but couldn't, So I jumped in and sank.

1 Getting Start

Merging test

- Building your document and website together.
- New feature support. Next-line testing.

1.1 Why we create Docogen?

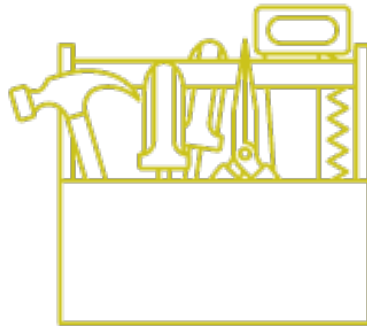
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- Generate a beautiful introduction paper with simple command.

2 Introduction

What is Docogen?

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- New feature support. Next-line testing.



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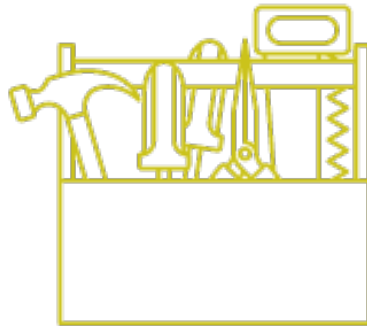
3 About us

What is toolbuddy[2]?

- An group of good programmer that solve the problem!

3.1 How to join toolbuddy?

The way:



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- Just email to Kevin and pass your github ID and he will find your by himself!

4 Different usage of content

List Structure

List Structure Example:

Demo

1. List 1
 - (a) List 1-1
 - (b) List 1-2
 - i. List 1-2-1
 - ii. List 1-2-2

A. List 1-2-2-1

(c) List 1-3

2. List 2

List

- Listing structure append
- New feature support.

5 Table Demo

Table 1		
Name	Age	Job
Kevin	23	programmer
Eric	22	student
Lu	24	engineer
Cyu	52	professor
Lai	50	soldier

6 Code listing Demo

Code listing 1

```
1 #include <stdio.h>
2
3 int main() {
4     return 0;}
```

Listing 1: C mini exampe

```
1 import numpy as np
2
3 def incmatrix(genl1, genl2):
4     m = len(genl1)
5     n = len(genl2)
6     M = None #to become the incidence matrix
7     VT = np.zeros((n*m,1), int) #dummy variable
8
9     #compute the bitwise xor matrix
10    M1 = bitxormatrix(genl1)
11    M2 = np.triu(bitxormatrix(genl2),1)
```

```

12
13     for i in range(m-1):
14         for j in range(i+1, m):
15             [r, c] = np.where(M2 == M1[i, j])
16             for k in range(len(r)):
17                 VT[(i)*n + r[k]] = 1;
18                 VT[(i)*n + c[k]] = 1;
19                 VT[(j)*n + r[k]] = 1;
20                 VT[(j)*n + c[k]] = 1;
21
22             if M is None:
23                 M = np.copy(VT)
24             else:
25                 M = np.concatenate((M, VT), 1)
26
27             VT = np.zeros((n*m, 1), int)
28
29     return M

```

Listing 2: Python example

7 Formula Demo

Formula 1

Now we will introduce the basic equation usage (inline mode): $x^2 + y^2 = z^2$
Then we can see the display mode:

$$x^n + y^n = z^n$$

And about equation tag:

$$E = mc^2 \tag{1}$$

References

- [1] Kevin Cyu, From NCKU, personal website:
<https://github.com/kevinbird61>
- [2] ToolBuddy, A good, non-profit organization.