

# Testing the **coder** package

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## 1 Have **pygments**?

```
Path=/Users/jlaurens/opt/anaconda3/bin/pygmentize
WITH PYGMENTS
Path=/Users/jlaurens/opt/anaconda3/bin/python
```

## 2 Testing the tag mechanism

Tests of the tag mechanism.

### 2.1 groups

```
THIS_IS_C=THIS_IS_C
THIS_IS_VOID=
```

### 2.2 Other

### 2.3 Inheritance

## 3 **\CDR\_tag\_choices\_set:**

```
Tests of \CDR_tag_choices_set:
9
```

## 4 **\CDR\_tag\_boolean\_set:**

```
Tests of \CDR_tag_boolean_set:n
```

## 5 **int**

```
Tests of int
SUCCESS
SUCCESS
SUCCESS
SUCCESS
```



6.1 default

6.2 tag/default

6.3 \_\_pygments

TRUE==TRUE

FALSE==FALSE

6.4 tag/<name>:\_\_pygments

6.5 \_\_pygments.block

6.6 tag/<name>:\_\_pygments.block

6.7 default.code

6.8 tag/<name>:default.code

6.9 default.block

6.10 tag/<name>:default.block

X X X

6.11 \_\_fancyvrb

6.12 tag/<name>:\_\_fancyvrb

6.13 \_\_fancyvrb.block

6.14 tag/<name>:\_\_fancyvrb.block

6.15 \_\_fancyvrb.all

6.16 tag/<name>:\_\_fancyvrb.all

## 7 \CDRCode

### 7.1 Fancyvrb basics

ABCDEABCDEBCDGBCDG

**First<sub>␣</sub>verba** ~~†~~**tim<sub>␣</sub>line.**

**Second<sub>␣</sub>verbatim<sub>␣</sub>line.**

See the verbatim on page 3

YYY **A<sub>␣</sub>B<sub>␣</sub>C**YYY YY YY

### 7.2 Mimic

A<sub>␣</sub>B<sub>␣</sub>C<sub>␣</sub>D A B C D

### 7.3 Coder

```
A
<fontsize=\Large>
B
<fontsize=\Large>
A
<fontsize=\Large>
B
<fontsize=\Large>

<ABC DEF>
1
<fontfamily=menlo>
2
<showspaces_\_true>
<showspaces_\_true>
3
<fontsize=\Large>
4
Expecting ERROR:
\PackageError coder
flower code engine unknown, replaced by `default'
See \CDRCODEENGINENew in the coder manual
,<engine=flower>
5
wavy(<engine=wave>)
LAST
<THIS IS THE LAST!!!>
```

### 7.4 With pygments

```
python==/Users/jlaurens/opt/anaconda3/bin/python
PATH==/usr/bin/python
PATH==/Users/jlaurens/opt/anaconda3/bin/python
```

```
PYGMENTS TEST
ABCD=AB CD
ABCD=AB CD\textbf{AB}
ABCD=AB CD\textbf{AB}
ABCD=AB CD\textbf{AB}
ABCD=AB CD\textbf{AB}
ABCD=AB CD\textbf{AB}
AB CD=AB CD\textbf{AB} et la suite
AB CD=AB CD\textbf{AB} et la suite
AB CD=AB CD\textbf{AB} et la suite
```

## 8 CDRBlock

ESSAI

[]  
ESSAI

ESSAI

```
1 local f=function(arg)
2   return arg**arg
3 end
```

```
local f = function(arg)      1
  return arg ** arg          2
end                          3
```

```
local f = function(arg)      1
  -- 2
  -- 3
  -- 4
  -- 5                          5
  return arg ** arg
end
```

Next should not be void

```
1 def foo(arg):
  return arg ** arg
```

Next should not be void

```
1 function foo(arg)
  return arg**arg
end
```

### 8.1 fancyvrb properties

none: A  
2 B  
3 C

## 8.2 Display tags

tests start here:

PYGMENTS:true

PYGMENTS:true

TAGS:

TAGS:NONE,ENON

```
function foo(arg) return 0 end 33
```

NONE:2

ENON:2

```
function foo(arg) -- no tags expected 2
```

```
2 3
```

```
3 4
```

```
4 5
```

```
5 6
```

```
6 7
```

```
end 8
```

NONE:9

ENON:9

```
function foo(arg) -- no tags expected 1
```

```
2 2
```

```
3 3
```

```
4 4
```

```
5 5
```

```
6 6
```

```
end 7
```

NONE:16

ENON:16

```
function foo(arg) -- no tags expected
```

```
-- second line
```

```
-- third line
```

```
-- fourth line
```

```
-- fifth line
```

```
return arg ** arg
```

```
end
```

```
NONE,ENON: 33 function foo(arg) return arg ** arg end -- tags expected
```

whatever it  
isp,we are the

```
champions: 33 function foo(arg) return arg ** arg end -- tags expected
```

```
function foo(arg) --no tags expected
  --second line
  --third line
  --fourth line
  --fifth line
  return arg**arg
end
```

### 8.3 Exhaustive test

```
function foo(arg) return arg ** arg end

  function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
1 function foo(arg) return arg ** arg end
```

```
2 function foo(arg)
3   -- second line
4   -- third line
5   -- fourth line
6   -- fifth line
7   return arg ** arg
8 end
```

```
1 function foo(arg) return arg ** arg end
```

```
10 function foo(arg)
11   -- second line
12   -- third line
13   -- fourth line
14   -- fifth line
15   return arg ** arg
16 end
```

```
1 function foo(arg) return arg ** arg end
```

```
18 function foo(arg)
19   -- second line
20   -- third line
21   -- fourth line
22   -- fifth line
23   return arg ** arg
24 end
```



```

1 function foo(arg) return arg ** arg end

26 function foo(arg)
27   -- second line
28   -- third line
29   -- fourth line
30   -- fifth line
31   return arg ** arg
32 end

function foo(arg) return arg ** arg end      1

function foo(arg)                             34
  -- second line                             35
  -- third line                             36
  -- fourth line                             37
  -- fifth line                             38
  return arg ** arg                         39
end                                           40

function foo(arg) return arg ** arg end      1

function foo(arg)                             42
  -- second line                             43
  -- third line                             44
  -- fourth line                             45
  -- fifth line                             46
  return arg ** arg                         47
end                                           48

function foo(arg) return arg ** arg end      1

function foo(arg)                             50
  -- second line                             51
  -- third line                             52
  -- fourth line                             53
  -- fifth line                             54
  return arg ** arg                         55
end                                           56

```

```
function foo(arg) return arg ** arg end      1
```

```
function foo(arg)                             58
  -- second line                             59
  -- third line                              60
  -- fourth line                             61
  -- fifth line                              62
  return arg ** arg                          63
end                                           64
```

```
WHAT: function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
WHAT: function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
WHAT: function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
WHAT: function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
67  -- second line
68  -- third line
69  -- fourth line
70  -- fifth line
71  return arg ** arg
72 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
75  -- second line
76  -- third line
77  -- fourth line
78  -- fifth line
79  return arg ** arg
80 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
83  -- second line
84  -- third line
85  -- fourth line
86  -- fifth line
87  return arg ** arg
88 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
  91  -- second line
  92  -- third line
  93  -- fourth line
  94  -- fifth line
  95  return arg ** arg
  96 end
```

```
WHAT: function foo(arg) return arg ** arg end 1
```

```
WHAT: function foo(arg) 98
      -- second line 99
      -- third line 100
      -- fourth line 101
      -- fifth line 102
      return arg ** arg 103
      end 104
```

```
WHAT: function foo(arg) return arg ** arg end 1
```

```
WHAT: function foo(arg) 106
      -- second line 107
      -- third line 108
      -- fourth line 109
      -- fifth line 110
      return arg ** arg 111
      end 112
```

```
WHAT: function foo(arg) return arg ** arg end 1
```

```
WHAT: function foo(arg) 114
      -- second line 115
      -- third line 116
      -- fourth line 117
      -- fifth line 118
      return arg ** arg 119
      end 120
```

```

WHAT: function foo(arg) return arg ** arg end      1

WHAT: function foo(arg)                            122
    -- second line                                123
    -- third line                                  124
    -- fourth line                                 125
    -- fifth line                                  126
    return arg ** arg                             127
end                                                 128

function foo(arg) return arg ** arg end           : WHAT

function foo(arg)                                  : WHAT
    -- second line
    -- third line
    -- fourth line
    -- fifth line
    return arg ** arg
end

function foo(arg) return arg ** arg end           : WHAT

function foo(arg)                                  : WHAT
    -- second line
    -- third line
    -- fourth line
    -- fifth line
    return arg ** arg
end

function foo(arg) return arg ** arg end           : WHAT

function foo(arg)                                  : WHAT
    -- second line
    -- third line
    -- fourth line
    -- fifth line
    return arg ** arg
end

```

```

function foo(arg) return arg ** arg end      : WHAT

function foo(arg)                             : WHAT
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end

1 function foo(arg) return arg ** arg end      : WHAT

130 function foo(arg)                         : WHAT
131   -- second line
132   -- third line
133   -- fourth line
134   -- fifth line
135   return arg ** arg
136 end

1 function foo(arg) return arg ** arg end      : WHAT

138 function foo(arg)                         : WHAT
139   -- second line
140   -- third line
141   -- fourth line
142   -- fifth line
143   return arg ** arg
144 end

1 function foo(arg) return arg ** arg end      : WHAT

146 function foo(arg)                         : WHAT
147   -- second line
148   -- third line
149   -- fourth line
150   -- fifth line
151   return arg ** arg
152 end

```

```

1 function foo(arg) return arg ** arg end      : WHAT

154 function foo(arg)                          : WHAT
155   -- second line
156   -- third line
157   -- fourth line
158   -- fifth line
159   return arg ** arg
160 end

function foo(arg) return arg ** arg end      1: WHAT

function foo(arg)                             : WHAT
  -- second line                             163
  -- third line                              164
  -- fourth line                             165
  -- fifth line                              166
  return arg ** arg                          167
end                                           168

function foo(arg) return arg ** arg end      1: WHAT

function foo(arg)                             : WHAT
  -- second line                             171
  -- third line                              172
  -- fourth line                             173
  -- fifth line                              174
  return arg ** arg                          175
end                                           176

function foo(arg) return arg ** arg end      1: WHAT

function foo(arg)                             : WHAT
  -- second line                             179
  -- third line                              180
  -- fourth line                             181
  -- fifth line                              182
  return arg ** arg                          183
end                                           184

```

```
function foo(arg) return arg ** arg end      1: WHAT
```

```
function foo(arg)                               : WHAT
  -- second line                                187
  -- third line                                188
  -- fourth line                               189
  -- fifth line                                190
  return arg ** arg                            191
end                                              192
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```



```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
195  -- second line
196  -- third line
197  -- fourth line
198  -- fifth line
199  return arg ** arg
200 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
203  -- second line
204  -- third line
205  -- fourth line
206  -- fifth line
207  return arg ** arg
208 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
211  -- second line
212  -- third line
213  -- fourth line
214  -- fifth line
215  return arg ** arg
216 end
```

```
WHAT: 1 function foo(arg) return arg ** arg end
```

```
WHAT: function foo(arg)
219  -- second line
220  -- third line
221  -- fourth line
222  -- fifth line
223  return arg ** arg
224 end
```

```
function foo(arg) return arg ** arg end      1: WHAT
```

```
function foo(arg)                               : WHAT
  -- second line                                227
  -- third line                                 228
  -- fourth line                               229
  -- fifth line                                230
  return arg ** arg                            231
end                                              232
```

```
function foo(arg) return arg ** arg end      1: WHAT
```

```
function foo(arg)                               : WHAT
  -- second line                                235
  -- third line                                 236
  -- fourth line                               237
  -- fifth line                                238
  return arg ** arg                            239
end                                              240
```

```
function foo(arg) return arg ** arg end      1: WHAT
```

```
function foo(arg)                               : WHAT
  -- second line                                243
  -- third line                                 244
  -- fourth line                               245
  -- fifth line                                246
  return arg ** arg                            247
end                                              248
```

```
function foo(arg) return arg ** arg end      1: WHAT
```

```
function foo(arg)                               : WHAT
  -- second line                                251
  -- third line                                 252
  -- fourth line                               253
  -- fifth line                                254
  return arg ** arg                            255
end                                              256
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
function foo(arg) return arg ** arg end
```

```
function foo(arg)
  -- second line
  -- third line
  -- fourth line
  -- fifth line
  return arg ** arg
end
```

```
1 function foo(arg) return arg ** arg end      : WHAT
```

```
258 function foo(arg)                          : WHAT
259   -- second line
260   -- third line
261   -- fourth line
262   -- fifth line
263   return arg ** arg
264 end
```

```
1 function foo(arg) return arg ** arg end      : WHAT
```

```
266 function foo(arg)                          : WHAT
267   -- second line
268   -- third line
269   -- fourth line
270   -- fifth line
271   return arg ** arg
272 end
```

```
1 function foo(arg) return arg ** arg end      : WHAT
```

```
274 function foo(arg)                          : WHAT
275   -- second line
276   -- third line
277   -- fourth line
278   -- fifth line
279   return arg ** arg
280 end
```

```

1 function foo(arg) return arg ** arg end      : WHAT

282 function foo(arg)                          : WHAT
283   -- second line
284   -- third line
285   -- fourth line
286   -- fifth line
287   return arg ** arg
288 end

WHAT: function foo(arg) return arg ** arg end  1

WHAT: function foo(arg)                      290
      -- second line                        291
      -- third line                        292
      -- fourth line                       293
      -- fifth line                       294
      return arg ** arg                    295
      end                                  296

WHAT: function foo(arg) return arg ** arg end  1

WHAT: function foo(arg)                      298
      -- second line                        299
      -- third line                        300
      -- fourth line                       301
      -- fifth line                       302
      return arg ** arg                    303
      end                                  304

WHAT: function foo(arg) return arg ** arg end  1

WHAT: function foo(arg)                      306
      -- second line                        307
      -- third line                        308
      -- fourth line                       309
      -- fifth line                       310
      return arg ** arg                    311
      end                                  312

```

```
WHAT: function foo(arg) return arg ** arg end 1
```

```
WHAT: function foo(arg) 314
      -- second line    315
      -- third line     316
      -- fourth line    317
      -- fifth line     318
      return arg ** arg 319
end 320
```

## 9 Numbering

### 9.1 fancyvrb linear

KV:numbers=none,

A

KV:tags=none, numbers=none,

A

KV: tags=none, numbers=left, firstnumber=last,

none: none

5 2

6 3

none: none:

8 5

9 6

none: none

11 8

12 9

### 9.2 pygments linear

none: none

14 11

15 12

none: none:

17 14

18 15

none: none

20 17

21 18

### 9.3 fancyvrb multi tags

A,B,C: 1 A=\*1,B=1,C=1

B,C: A=2,B=\*2,C=2

3 A=2,B=\*3,C=3

C: A=2,B=4,C=\*4

5 A=2,B=4,C=\*5

C,B: A=2,B=4,C=\*6

7 A=2,B=5,C=\*7

8 A=2,B=6,C=\*8

B,A: A=2,B=\*7,C=9

8 A=3,B=\*8,C=9

9 A=4,B=\*9,C=9

A,C: A=\*5,B=10,C=9

6 A=\*6,B=10,C=10

7 A=\*7,B=10,C=11

### 9.4 pygments multi tags

D,E,F: 1 D=\*1,E=1,F=1

E,F: D=2,E=\*2,F=2

3 D=2,E=\*3,F=3

F: D=2,E=4,F=\*4

5 D=2,E=4,F=\*5

F,E: D=2,E=4,F=\*6

7 D=2,E=5,F=\*7

8 D=2,E=6,F=\*8

E,D: D=2,E=\*7,F=9

8 D=3,E=\*8,F=9

9 D=4,E=\*9,F=9

D,F: D=\*5,E=10,F=9

6 D=\*6,E=10,F=10

7 D=\*7,E=10,F=11

## 9.5 Step

1	1
2	2
3	3
4	4
5	5
6	6

1	1
2	2
3	3
4	4
5	5
6	6

1	1
2	2
3	3
4	4
5	5
6	6

## 9.6 Shift

2	2*
3	3
4	4
5	5*
6	6
7	7

3	3*
4	4
5	5*
6	6
7	7
8	8

4	4
5	5*
6	6
7	7
8	8
9	9



5 5\*  
6 6  
7 7  
8 8  
9 9  
10 10\*

6 6\*  
7 7  
8 8  
9 9  
10 10\*  
11 11

## 9.7 Other

1 1 : D,F  
2  
3  
4  
5 5  
6

## 10 cache

ABCDE

## 11 \CDRExport

A: 1  
2 2  
3 3

B,C,D: 1 B,C,D: 1

B,C: 1 B,C: 2

D,B: 1 D,B: 3

C,D: 1 C,D: 4

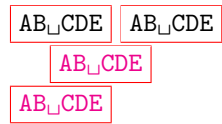
B: 1 B: 5

C: 1 C: 6

D: 1 D: 7

## 12 Engine

### 12.1 Code



### 12.2 Block

```
D: def function(x):  
2   '''Square'''  
3   return x * x
```

```
D: def function(x):  
2   '''Square'''  
3   return x * x
```

```
D: def function(x):  
2   '''Square'''  
3   return x * x
```

### 12.3 POC

1. Lorem.
- 2.

Swap
Hello.

- 3.

Swap
D: 1    Hello.

- 4.

Swap
D: 1    Hello.

5. Epsum.

abcde

Swap	
D:	1
2	2
3	3

### 12.3.1 POC A

abcde

POC A	
<pre>def function(x):     '''Square'''     return x * x</pre>	

abcde

```
def function(x):  
    '''Square'''  
    return x * x
```

abcde

### 12.3.2 POC B

abcde

POCB	
<pre>def function(x):     '''Square'''     return x * x</pre>	

abcde

### 12.3.3 DEBUG

abcde

DEBUG	
D:	<pre>def function(x):     '''Square'''     return x * x</pre>
2	
3	

abcde

#### DEBUG

```
D: def function(x):  
2  '''Square'''  
3  return x * x
```

abcde

#### DEBUG

```
D: def function(x):  
2  '''Square'''  
3  return x * x
```

abcde

#### DEBUG

```
D: def function(x):  
2  '''Square'''  
3  return x * x
```

## 12.4 In progress

abcde

ABCDE

abcdeabcde

---

```
WHAT: def function foo(x):  
2  '''Square function'''  
3  return x * x
```

---

abcde

---

```
WHAT: def function foo(x):  
2  '''Square function'''  
3  return x * x
```

---

abcde

```
WHAT: def function foo(x):  
2  '''Square function'''  
3  return x * x
```

abcde