

# 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

```
FAILtag_mechanism.tex38
FAILtag_mechanism.tex39
```

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

Tests of **\CDR\_tag\_choices\_set:**  
99

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

Tests of **\CDR\_tag\_boolean\_set:n**  
FAIL76

## 5 int

[illegible]

## 5.1 Counting lines

T

## 6 \CDRSet

Tests of keys  
Tests of \CDRSet

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 ??

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)                                0
  return arg ** arg                                     1
end                                                       2
```

```
local f = function(arg)                                1
  -- 2
  -- 3
  -- 4
  -- 5
  return arg ** arg
end                                                       6
```

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 Line numbering

#### 8.1.1 fancyvrb linear

A

```

A
none: A
3 B
4 C

none: A
9 B
10 C

none: A
15 B
16 C

```

### 8.1.2 fancyvrb multi tags

```

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

B,C: A=2,B=*2,C=2
4 A=2,B=*3,C=3

C: A=2,B=4,C=*4
8 A=2,B=4,C=*5

C,B: A=2,B=4,C=*6
12 A=2,B=5,C=*7
13 A=2,B=6,C=*8

B,A: A=2,B=*7,C=9
14 A=3,B=*8,C=9
15 A=4,B=*9,C=9

A,C: A=*5,B=10,C=9
10 A=*6,B=10,C=10
11 A=*7,B=10,C=11

```

```

FAILED
FAILED
FAILED

```

### 8.1.3 fancyvrb properties

```

none: A
21 B
22 C

```

#### 8.1.4 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:8

ENON:8

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

1

2

2

3

3

4

4

5

5

6

6

```
end
```

7

NONE:8

ENON:8

```
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
```

#### 8.1.5 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

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

```

```

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

```

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

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

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

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

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

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

2 function foo(arg)                             : WHAT
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      : WHAT

10 function foo(arg)                             : WHAT
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      : WHAT

```

```

2 function foo(arg)                                : WHAT
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          : WHAT

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

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

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

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

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

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

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

```

```

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

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

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)
3  -- second line
4  -- third line
5  -- fourth line
6  -- fifth line
7  return arg ** arg
8  end

```

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

```

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

```

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

```

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

```

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

```

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

```

```

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

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

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

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

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

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

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

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

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

2 function foo(arg)                             : WHAT
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      : WHAT

10 function foo(arg)                          : WHAT
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      : WHAT

2 function foo(arg)                          : WHAT
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      : WHAT

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

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

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

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

```

```

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

```

## 9 cache

ABCDE

## 10 \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

## 11 Engine

### 11.1 Code

AB CDE

AB\_CDE

WHAT: 1  
2 2  
3 3

WHAT: 1  
2 2  
3 3

WHAT: 1  
2 2  
3 3

1. Lorem.

2.

Swap
Hello.

3. Epsum.

abcde

Swap
WHAT: 1 2 2 3 3

abcde

Swap
WHAT: 1 2 2 3 3

### 11.2 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