

# 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
FAILURE:CDR@Tags/tag/default/engine
FAILURE:CDR@Tags/tag/default/engine
```

## Tests of \CDRSet

### 6.1 default

X X XCDRSet.tex:ERROR:5

### 6.2 tag/default

X X X

### 6.3 \_\_pygments

TRUE==TRUE

FALSE==FALSE

CDRSet.tex:ERROR:2

### 6.4 tag/<name>:\_\_pygments

CDRSet.tex:ERROR:2

### 6.5 \_\_pygments.block

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

### 6.7 default.code

### 6.8 tag/<name>:default.code

### 6.9 default.block

CDRSet.tex:ERROR:3

### 6.10 tag/<name>:default.block

CDRSet.tex:ERROR:2

### 6.11 \_\_fancyvrb

### 6.12 tag/<name>:\_\_fancyvrb

### 6.13 \_\_fancyvrb.block

CDRSet.tex:ERROR:4092

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

6.15 \_\_fancyvrb.all

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

## 7 \CDRCode

### 7.1 Fancyvrb basics

ABCDEABCDEBCDGBCDG

**First**`\verba` *\*tim*`\line.`

**Second**`\verbatim``\line.`

See the verbatim on page 4

YYY *A*`\B``\C`YYY YY YY

### 7.2 Mimic

A`\B``\C``\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                                    6
end
```

Next should not be void

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

Next should not be void

```
function foo(arg)
1  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
```

NONE:2  
ENON:2

```
function foo(arg) -- no tags expected
2
3
4
5
6
end
```

NONE:8  
ENON:8

```
function foo(arg) -- no tags expected
2
3
4
5
6
end
```

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  
whatever it  
isp,we are the  
champions: 33

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