

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
```

[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_{verba} ~~†~~**tim**_{line}.
Second_{verbatim}**tim**_{line}.

See the verbatim on page ??
 YYY **A**_B**C**YYY YY YY

7.2 Mimic

A_BC_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)
  -- 2                                                    1
  -- 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

”
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)                            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

```

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