

# House in Scala

[Readme \(readme\)](#)[Test Suite \(../house\)](#)

## House

Write a program that outputs the nursery rhyme 'This is the House that Jack Built'.

[The] process of placing a phrase or clause within another phrase or clause is called embedding. It is through the processes of recursion and embedding that we are able to take a finite number of forms (words and phrases) and construct an infinite number of expressions. Furthermore, embedding also allows us to construct an infinitely long structure, in theory anyway.

- [papyr.com \(http://papyr.com/hypertextbooks/grammar/ph\\_noun.htm\)](http://papyr.com/hypertextbooks/grammar/ph_noun.htm)

The nursery rhyme reads as follows:

```
1 This is the house that Jack built.  
2  
3 This is the malt  
4 that lay in the house that Jack built.  
5  
6 This is the rat  
7 that ate the malt  
8 that lay in the house that Jack built.  
9  
10 This is the cat  
11 that killed the rat  
12 that ate the malt  
13 that lay in the house that Jack built.  
14  
15 This is the dog  
16 that worried the cat  
17 that killed the rat  
18 that ate the malt  
19 that lay in the house that Jack built.  
20  
21 This is the cow with the crumpled horn  
22 that tossed the dog
```

23 that worried the cat  
24 that killed the rat  
25 that ate the malt  
26 that lay in the house that Jack built.  
27  
28 This is the maiden all forlorn  
29 that milked the cow with the crumpled horn  
30 that tossed the dog  
31 that worried the cat  
32 that killed the rat  
33 that ate the malt  
34 that lay in the house that Jack built.  
35  
36 This is the man all tattered and torn  
37 that kissed the maiden all forlorn  
38 that milked the cow with the crumpled horn  
39 that tossed the dog  
40 that worried the cat  
41 that killed the rat  
42 that ate the malt  
43 that lay in the house that Jack built.  
44  
45 This is the priest all shaven and shorn  
46 that married the man all tattered and torn  
47 that kissed the maiden all forlorn  
48 that milked the cow with the crumpled horn  
49 that tossed the dog  
50 that worried the cat  
51 that killed the rat  
52 that ate the malt  
53 that lay in the house that Jack built.  
54  
55 This is the rooster that crowed in the morn  
56 that woke the priest all shaven and shorn  
57 that married the man all tattered and torn  
58 that kissed the maiden all forlorn  
59 that milked the cow with the crumpled horn  
60 that tossed the dog  
61 that worried the cat  
62 that killed the rat  
63 that ate the malt  
64 that lay in the house that Jack built.  
65  
66 This is the farmer sowing his corn  
67 that kept the rooster that crowed in the morn  
68 that woke the priest all shaven and shorn  
69 that married the man all tattered and torn  
70 that kissed the maiden all forlorn  
71 that milked the cow with the crumpled horn  
72 that tossed the dog  
73 that worried the cat  
74 that killed the rat  
75 that ate the malt  
76 that lay in the house that Jack built.

```
77
78 This is the horse and the hound and the horn
79 that belonged to the farmer sowing his corn
80 that kept the rooster that crowed in the morn
81 that woke the priest all shaven and shorn
82 that married the man all tattered and torn
83 that kissed the maiden all forlorn
84 that milked the cow with the crumpled horn
85 that tossed the dog
86 that worried the cat
87 that killed the rat
88 that ate the malt
89 that lay in the house that Jack built.
```

The Scala exercises assume an SBT project scheme. The exercise solution source should be placed within the exercise directory/src/main/scala. The exercise unit tests can be found within the exercise directory/src/test/scala.

To run the tests simply run the command `sbt test` in the exercise directory.

For more detailed info about the Scala track see the help page (<http://help.exercism.io/getting-started-with-scala.html>).

## Source

British nursery rhyme view source ([http://en.wikipedia.org/wiki/This\\_Is\\_The\\_House\\_That\\_Jack\\_Built](http://en.wikipedia.org/wiki/This_Is_The_House_That_Jack_Built))



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