

# 99 questions/Solutions/95

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(\*\*) English number words

On financial documents, like cheques, numbers must sometimes be written in full words. Example: 175 must be written as one-seven-five. Write a predicate `full-words/1` to print (non-negative) integer numbers in full words.

```
import Data.Char
import Data.List

fullWords :: Integer -> String
fullWords n = concat $ intersperse "-" [digits!!digitToInt d | d <- show n]
  where digits = ["zero", "one", "two", "three", "four",
                  "five", "six", "seven", "eight", "nine"]
```

This solution does a simple table lookup after converting the positive integer into a string. Thus dividing into digits is much simplified.

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