COMP 4959: Lab Assignment 3

The file `atomic-weights.txt` contains information about the atomic elements. Each row has 4 columns: atomic number, atomic symbol, name of element & approximate atomic weight.

1. Implement a module that, when `require`'d, defines a function `atomic_weight` that, when passed an atomic symbol (a string) from those listed in the given file, returns the corresponding atomic weight (a number). The function returns `nil` if the passed symbol is not known.

2. Implement a module that, when `required`'d, creates a set of functions whose names are the symbols for the elements (in all lowercase) from the given file. The created functions take no arguments and return the atomic weight (a number) of the element. Effectively, we are creating functions like

```
def h() do
  1.008
end

def he() do
  4.003
end
```

It is possible to combine both parts of this exercise into one module. Note that `atomic_weight` does not require the atomic symbol to be in all lowercase.