Assignment 7
Hash table
↳similar to a dictionary
↳Needs to have:
　↳a 'hash' function that allows some type
　　of converting
　↳an insert function (might be part of the
　　hash function)
　↳a contains function
　↳maybe a delete function...

* My not very good hash function is
that it will take a name and output
the name's length
　↳test by putting a few different
　　names and make sure it outputs
　　correct length ✓

* need a create table function
↳test by printing an empty table

✓

* insert function - places node into table...
　for now it won't be an actual node
　just a struct w/ a string
↳test by printing table
　↳bonus can easily check overwriting
　　of an index in an array ✓

* The search function sounds like a boolean
  ↳ returns true if the name is in the table
    ↳ test by using print statements
      ↳ might just put into function

the big take away from this is
when you chain this will cause the
contains and delete function to go from
$O(1)$ to $O(n)$ in the worst case scenario