SECTION 6: METHODS AND FUNCTIONS, 2 hours 54 mins, 30 parts

- 28/29 Methods and Functions Homework Overview
 - -> testing skills with methods and functions
 - -> in the .ipynb file
 - the first function one which calculates the volume of the sphere given its radius
 - -> the next cell is one which tests that the function works after it's defined

-> the next question

 define a function to check if a number is in a given range which returns a boolean or a statement

-> the next

- a function which inputs a string and returns the number of upper and lowercase letters in that input
- · .isupper() and .islower()

-> the next

- -> this takes a list and removes the repeats
- -> sets are for the unique elements in a list (but we want an array returned)

-> the next question

-> one which inputs an array and timses all of the numbers in the array together

-> next

- -> write a Python function which checks if the input string is the same thing spelt backwards <- iterate through the entire thing backwards
- -> you can use the .replace() method

-> next

- -> a Python function to check weather a string is a pangram or not
- -> they are making you search this (for research skills) on stack overflow
- -> a word or sentence with every letter of the alphabet at least once
 string.ascli lowercase
- -> assume there is no punctuation passed into the string
 - we are making assumptions about the inputs all being in a certain form