We have not provided tests for any of the following questions. You may test them with any of your own input or any example input we did provide. If you would like to make your own tests for practice (hint hint wink wink nudge nudge) feel free.

1. Write a function that counts the number of occurrences of letters in a string. Your function should return a dictionary.
2. Write a function that accepts two dictionaries as parameters, and returns one dictionary that contains all unique elements from the two given.

What is this new dictionary called?

1. Write a function that accepts one string and returns the number of unique letters in that string.
2. Write a function that accepts two sets as parameters and returns the intersection of the two sets.
3. Define a Circle class that has a radius and a color.
4. Write a function that reads in a csv file with the structure of:

name, team, score

First create a Python class called “Player” with all three of these values and a constructor. Then your function should read through every line in the file, create a Player for each line and return a list of all of the created Player objects. (You should have some of the same players so don’t use something that removes duplicates like a set)

1. Add Getters and Setters to your Player class, but players are not allowed to switch teams or change their own name
2. Using your function from the previous question, write a function that accepts a list of Player objects as a parameter. In the function print the name and total score of each person on the winning team.

If if the red team had the highest total score and Johnny played 3 times on the red team and got 100 points each time then your function would print “Johnny 300”

Hint: Dictionaries