PRACTICE SET

1. Write a Python program to find the frequency of each character in a given string using a dictionary.
2. Write a Python program to rotate the elements of a list by a specified number of positions to the right.
3. Create a program that takes a list of tuples and returns a list of the second elements from each tuple.
4. Write a program to merge two dictionaries and add the values of common keys.
5. Write a Python program to find the intersection of two sets without using the built-in intersection method.
6. Write a Python program that checks if a string contains only alphanumeric characters and then returns the length of the string.
7. Write a Python program to remove the nth occurrence of a given word in a list of words.
8. Write a Python program to find the index of the first occurrence of an element in a tuple.
9. Write a Python program to create a dictionary from a string, where each key is a word and its value is the frequency of the word in the string.
10. Write a Python program that takes two sets and returns the symmetric difference between them.
11. Given a dictionary of student names and their scores, write a program to find the student with the highest score and return their name and score.
12. Given a list of integers, write a Python program to find all unique combinations of elements that sum up to a target value.
13. Create a Python function that takes a string and returns all possible substrings of that string without using any built-in functions.
14. Write a Python program to find the longest palindromic substring in a given string.
15. Write a Python program to find all permutations of a given string without using any built-in permutation functions.