1. Reverse a String

Write a Python program to reverse a string.

print(input("Enter a string: ")[::-1])

===============================================================================

2. Check if a String is a Palindrome

Write a Python program to check if a string is a palindrome (reads the same backward as forward).

s = input("Enter a string: ")

print( s == s[::-1] )

===============================================================================

3.Remove Duplicates from a String

Write a Python program to remove duplicate characters from a string.

s="hello"

print( "".join(set(s)))

===============================================================================

4.Find the Longest Word in a String

Write a Python program to find the longest word in a given string.

text = "Python is a great programming language"

#Output=programming

text = "Python is a great programming language"

print(max(text.split(), key=len))

===============================================================================

5.Find Common Elements Between Two Tuples

Write a Python program to find common elements between two tuples.

``` python

tuple1 = (1, 2, 3)

tuple2 = (2, 3, 4)

# Output: (2, 3)

print(tuple(set(tuple1) & set(tuple2)))

print(tuple(x for x in tuple1 if x in tuple2))

===============================================================================

6.Find the Maximum and Minimum Value in a Dictionary

Write a Python program to find the maximum and minimum value in a dictionary.

``` Python

my\_dict = {"a": 10, "b": 20, "c": 5}

//Min= 5  , max=20

print("Min=",min(list(my\_dict.values()))," ,Max=",max(list(my\_dict.values())) )

===============================================================================

7- Merge Two Dictionaries

Write a Python program to merge two dictionaries.

dict1 = {"a": 1, "b": 2}

dict2 = {"c": 3, "d": 4}

print(dict1.update(dict2))

print(dict1)

===============================================================================

8- Find Common Keys in Two Dictionaries

Write a Python program to find common keys in two dictionaries.

dict1 = {"a": 1, "b": 2, "c": 3}

dict2 = {"b": 2, "c": 4, "d": 5}

#Output: {'b', 'c'}

print(set(dict1.keys() & dict2.keys()))

===============================================================================

9- takes a string and prints the longest

alphabetical ordered substring occurred.

For example, if the string is 'abdulrahman' then the output is:

Longest substring in alphabetical order is: abdu

 s = input("Enter a string: ")

longest = current = s[0]

for i in range(1, len(s)):

if s[i] >= s[i - 1]:

current += s[i]

if len(current) > len(longest):

longest = current

else:

current = s[i]

print("Longest substring:", longest)