1. Reverse a String

Write a Python program to reverse a string.

Answer: print(string[::-1])

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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).

Answer: print(string == string[::-1])

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3.Remove Duplicates from a String

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

Answer: print(''.join(set(string)))

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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

Answer: print(max("Python is a great programming language".split(), key=len))

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5.Find Common Elements Between Two Tuples

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

tuple1 = (1, 2, 3)

tuple2 = (2, 3, 4)

Answer: print(tuple(set(tuple1) & set(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.

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

Min= 5, max=20

Answer: print(f"max={max(my\_dict.values())}, min={min(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}

# Output: {'a': 1, 'b': 2, 'c': 3, 'd': 4}

Answer: print({\*\*dict1, \*\*dict2})

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'}

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

9- takes a string and prints the longest

alphabetical ordered substring occured.

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

Longest substring in alphabetical order is: abdu

Answer:

string = input('Enter your name: ')

match=''

for index in range(1, len(string)):

current = string[index-1]

next = string[index]

if (ord(current.lower()) > ord(next.lower())):

match+=current

break

match+=current

print(match)