SkillShikshya

FRIDAYS

Welcome To

</> PYTHON CODING CHALLENGE </>

Write a Python program that asks the user to input a number and then prints whether the number is even or odd.

Write a program that finds the highest and lowest digit in a given string of numbers.

Example Input: "0124392566"

Example Output: Highest = 9, Lowest = 0

Write a program that takes a sentence as input and counts the number of words in it.

Example Input: "Python is fun"

Example Output: Number of words = 3

Write a Python program that takes a positive integer as input and calculates the sum of its digits.
Example Input: 1234
Example Output: Sum of digits = 10

Write a program that takes a string as input and prints the string in reverse order.

Example Input: "Python"

Example Output: "nohtyP

Write a program that checks if a given word is a palindrome (reads the same forwards and backwards).
Example Input: "madam"
Example Output: "madam is a palindrome"
Other words: racecar, level..

Write a program that calculates the factorial of a given number n (where n is provided by the user).

Example Input: n = 5

Example Output: Factorial = 120

(because 5! = 5×4×3×2×1 = 120)

Write a program that counts the number of vowels (a, e, i, o, u) in a given string.

Example Input: "hello world"

Example Output: Number of vowels = 3

Write a program that takes a number n as input and prints the square of all numbers from 1 to n.

Example Input: n = 4

Example Output: 1^2 = 1, 2^2 = 4, 3^2 = 9, 4^2 = 16

Write a Python program that takes a number as input and checks whether it is positive, negative, or zero.
Example Input: -5
Example Output: "The number is negative”

Write a program that prints the following pattern:

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Write a Python function that takes a string as input and returns a dictionary where the keys are the words in the string, and the values are the lengths of those words.

Example Input: "Hello world from Python"

Example Output: {'Hello': 5, 'world': 5, 'from': 4, 'Python': 6}

Write a Python program that takes a list of students' names and their corresponding marks in a subject, stores them in a dictionary, and then calculates and prints the average mark.

Example Input: ['Alice', 'Bob', 'Charlie'] and [85, 92, 78]

Example Output: {'Alice': 85, 'Bob': 92, 'Charlie': 78} and Average = 85