

Python Programming

Day 8: Functions

Python Programming

Tutorials

Exercise 1:

Write a Python function that accepts a string and calculate the number of upper case letters and lower case letters.

Sample String : 'The quick Brow Fox'

Expected Output :

No. of Upper case characters : 3

No. of Lower case Characters : 12

Exercise 2:

Write a Python function that checks whether a passed string is palindrome or not.

Note: A palindrome is a word, phrase, or sequence that reads the same backward as forward, e.g., madam or nurses run.

Exercise 3:

Write a Python function to check whether a string is a pangram or not.

Note : Pangrams are words or sentences containing every letter of the alphabet at least once.

For example : "The quick brown fox jumps over the lazy dog"



Exercise 4:

Write a Python function that takes a number as a parameter and check the number is prime or not.

Note: A prime number (or a prime) is a natural number greater than 1 and that has no positive divisors other than 1 and itself.

Exercise 5:

Write a Python function to print the even numbers from a given list.

Sample List : [1, 2, 3, 4, 5, 6, 7, 8, 9]

Expected Result : [2, 4, 6, 8]

Exercise 6:

Write a Python function to generate a list of numbers 1-50 and return the odd numbers of the list.

Exercise 7:

Write a Python function to reverse a string.

Sample String : "1234abcd"

Expected Output : "dcba4321"

Exercise 8:

Write a Python function to multiply all the numbers in a list.

Sample List : (8, 2, 3, -1, 7)

Expected Output : -336



Exercise 9:

Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.



Next Lecture ...



Day 9: Classes and Objects

