

Python Assignment on Function

Do the assignment without using the library function

1. Write a Python function to find the Max of three numbers.
2. Write a Python function to sum all the numbers in a list.

Sample List : (8, 2, 3, 0, 7)

Expected Output : 20

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

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

Expected Output : -336

4. Write a Python function to calculate the factorial of a number (a non-negative integer). The function accepts the number as an argument.
5. 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

6. Write a Python function that takes a list and returns a new list with unique elements of the first list.

Sample List : [1,2,3,3,3,3,4,5]

Unique List : [1, 2, 3, 4, 5]

7. Write a Python function to check whether a number is perfect or not. Go to the editor

Example : The first perfect number is 6, because 1, 2, and 3 are its proper positive divisors, and $1 + 2 + 3 = 6$. Equivalently, the number 6 is equal to half the sum of all its positive divisors: $(1 + 2 + 3 + 6) / 2 = 6$. The next perfect number is $28 = 1 + 2 + 4 + 7 + 14$. This is followed by the perfect numbers 496 and 8128.

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

9. Write a Python function to check whether a string is a pangram or not. Go to the editor

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"

10. Write a Python program that accepts a hyphen-separated sequence of words as input and prints the words in a hyphen-separated sequence after sorting them alphabetically. Go to the editor

Sample Items : green-red-yellow-black-white

Expected Result : black-green-red-white-yellow

11. Write a python program to show the permutation and combination of a inputted List.