

Worksheet - function with String , Tuple and List

1. Write a void function `str_traverse(s)` that traverses a given string and print its characters 2 per line
2. Write a non void function `allstring(a="PARROT")` which returns `a[1:1]` and `a[1:2]`. Write the output of the following calling statements
 - a. `allstring()`
 - b. `allstring("PA")`

What is the difference between the returned values of the same call and the returned values of two different calls?

3. Write a function `alltuple()` which takes `(1,2,3)` as default value for the parameter `a` and returns `a*3 ; a+a+a ; (a,a,a)`. What is the difference in the output?
4. Write a function `add_str()` to add a given string to the list of string `LSTSTR` at the given place
5. Predict the output :
 - a. `a1='a' , 'b' ; a2=('a','b'); print(a==b)`
 - b. `a=[1,2,3,4,5];print(a[3:0:-1])`
 - c. `tuple("Correct")`
 - d. `tuple(10,30,80)`
 - e. `L=[1,2,3,4,5,6,7,8,9,10]`
`S=[i for i in L if i%2==0]`
`print(S)`
6. Write a user defined function `LSTSCOUNT()` that counts the number of elements in a list within a specified range. The range(maximum and minimum) and the list are the parameters.
7. Write a user defined function `LSTNUM()` which will return the product and average of all the numbers in a list.