

- 1) Write a program to iterate the first 10 numbers and in each iteration, print the sum of the current and previous number
- 2) Print characters from a string that are present at an even index number
- 3) Reverse a string using the slice operator
- 4) Count the frequency of every element of a list and store it in a dictionary. Every element's frequency should be printed only once.

Example:

If the list is [1,3,2,2,1,2,3,0,0]

Output: {1:2, 3:2, 2:3, 0:2}

- 5) Take an input from the user in a single line (numbers are space separated) and print the sum. Input should be taken exactly the way shown below. Don't give a prompt asking for an input(as shown)

Example:

Input: 1 3 4 5 6

Output: Sum is 19

- 6) Remove empty strings from a list of strings. Example: ["hi", "", "hello", ""] should give ["hi", "hello"] as the output
- 7) Reverse a tuple(same tuple. Do not use another tuple or list)
- 8) Sort a tuple of tuples based on the second element. Example: (('x',45),('y',12),('z',20)) should give (('y',12),('z',20),('x',45)) as the output
- 9) Check if all items in a tuple are different. Example: [1,2,5,7,4] prints True whereas [1,2,5,7,1,4] prints False.
- 10) Generate a **random** String of given length(take the length from the user). Note: String must be a combination of uppercase and lowercase letters only. Digits and special symbols are not allowed.

