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**Subject: - Computer Science with Python (085)**

**Practical List**

**Part-II**

Prog 1:-Write a python program to read a string and display it in reverse order-Display one

character per line.

Prog 2:-Write a Python program to read a string and display it in the form

First character last character

Second character second last character

For example, String ‘try’ should print as

t y

r r

y t

Prog 3:- Write a program to calculate the number of digits and letters in a string

Prog 4:-Write a program that reads a line and a substring. It should then display the number of

occurrence of the given substring in the line.

Prog 5:-Write a program that takes a string with multiple words and then capitalizes the first

letter of each word and forms a new string out of it.

Prog 6:-Write a program that reads a string and checks whether it is a palindrome string or not.

Prog 7:-Write a program that reads a string and display he longest substring of the given string

having just the consonants.

Prog 8:-Write a program that reads a string and then prints a string that capitalizes every other

letter in the string e.g. passion becomes pAsSiOn.

Prog 9:-Write a program that reads email-id of a person in the form string and ensures that it

belongs to domain @edupillar.com.

Prog 10:-Write a program to elements of a [‘q’,’w’,’e’,’r’,’t’,’y’] in separate lines along with

element’s both indexes(positive and integer).

Prog 11: Write a program to find minimum element from a list of element along with its index

in the list.

Prog 12:-Write a program to calculate mean of a given list of numbers.

Prog 13:-Program to count frequency of a given element in a list of numbers.

Prog 14:-Program to find frequencies of all elements of a list. Also, print the list of unique

elements in the list and duplicate elements in the given list.

Prog 15:- Given two lists write that prints **“Overlapped”** if they have at least one member in

common, otherwise prints **“ Separated”.** You may use the in operator, but for the sake

of the exercise, write it using loops.

Prog 16:- rite a program to find the second largest number of a list of numbers.

Prog 17:-Write a program that inputs a list of numbers and shifts all the zeros to right and all

non-zero numbers to left of the list.

Prog 18:-Write a Python program that creates a tuple storing first iterms of Fibonacci series.

Prog 19:-Write a program that inputs two tuples seq\_a and seq\_b and prints True if every

elements in seq\_a is also element of seq\_b, else prints False.

Prog 20:-Write a program that checks if two same values in a dictionary have different keys.

That is, for dictionary D1={‘a’:10,’b’:20,’c’:10}, the program should print “**2 key have**

**same values”** and for dictionary D2 = { ‘a’:10,’b’:20,’c’:30}, the program should print

“**No keys have same values”**.