

## LIST OF PRACTICAL [CL-XI CS (PYTHON)]

1.	WAP to accept the radius of a Circle and print its circumference and Area.
2.	WAP to accept two numbers and swap their values without using temp variable.
3.	WAP program that inputs a student's marks in five subjects (out of 100) and prints the total percentage marks.
4.	WAP to print the largest and the smallest numbers among the three numbers.
5.	WAP to accept the values of a,b,c and print the nature and roots of the Quad Eq <sup>n</sup> $ax^2+bx+c$ .
6.	WAP to print first 'n' natural numbers given by user with their sum.
7.	WAP to accept the number and print their reverse.
8.	WAP to accept the number and check whether it is ARMSTRONG or not.
9.	WAP to accept the number and check whether it is PRIME or not.
10.	WAP to accept the three numbers from user and check whether numbers follow the Pythagorean Triplet or not.
11.	Write a function to find the average of three numbers given by user.
12.	Write a function to print the series of PRIME numbers up to the limit given by user.
13.	WAP to print the FIBBONACCI series up to the terms given by user.
14.	WAP to accept n,r and print the value of ${}^n P_r, {}^n C_r$
15.	WAP to print the given series: $X + X^2/2! + X^3/3! \dots\dots n$ terms
16.	WAP to generate the following pattern: <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p><b>a.</b></p> <pre>* * * * *   * * * *     * * *       * *         *</pre> </div> <div style="text-align: center;"> <p><b>b.</b></p> <pre>* * * * * * * * *   * * * * * * *     * * * * *       * * *         * *           *</pre> </div> </div> <div style="margin-top: 20px;"> <p><b>c.</b></p> <pre>0 1 0 1 0 1 0 1 0 0 1 0 1 0 1</pre> </div>
17.	WAP to accept the list of user defined elements and count the frequency of given element.
18.	WAP to accept any String and check whether it is PALINDROME or not.
19.	WAP to accept the list and count the Even, Odd and Prime numbers on the list.
20.	WAP for LINEAR SEARCH user defined list.
21.	WAP for BUBBLE SORT without using sort method.
22.	WAP to accept the list elements and generate the new list with the numbers if list element is divisible by 5 the number will divide by 5 else number will added to 5.
23.	WAP to generate a six digit CAPTCHA in which even places are number and odd places are characters (both capital as well as small)
24.	WAP to accept a user name and the given pattern: Ex: ARMY <pre>A R M Y A R M A R A</pre>
25.	Write all the methods/function on List with an example.