

Sl. No.	Experiment	Date	CO
1	Display future leap years from current year to a final year entered by user.	31/10/22	CO1
2	List comprehensions: (a) Generate positive list of numbers from a given list of integers (b) Square of N numbers (c) Form a list of vowels selected from a given word.	31/10/22	CO1
3	Count the occurrences of each word in a line of text.	31/10/22	CO1
4	Prompt the user for a list of integers. For all values greater than 100, store 'over' instead.	31/10/22	CO1
5	Store a list of first names. Count the occurrences of 'a' within the list	31/10/22	CO1
6	Enter 2 lists of integers. Check (a) Whether list are of same length (b) whether list sums to same value (c) whether any value occur in both	31/10/22	CO1
7	Get a string from an input string where all occurrences of first character replaced with '\$', except first character.	31/10/22	CO1
8	Create a string from given string where first and last characters exchanged.	31/10/22	CO1
9	Accept the radius from user and find area of circle.	04/11/22	CO1
10	Find biggest of 3 numbers entered.	04/11/22	CO1
11	Accept a file name from user and print extension of that.	05/11/22	CO1
12	Create a list of colors from comma-separated color names entered by user. Display first and last colors.	05/11/22	CO1
13	Accept an integer n and compute n+nn+nnn	27/10/22	CO1
14	Print out all colors from color-list1 not contained in color-list2.	05/11/22	CO1
15	Create a single string separated with space from two strings by swapping the character at position 1.	05/11/22	CO1
16	Sort dictionary in ascending and descending order.	05/11/22	CO1
17	Merge two dictionaries.	05/11/22	CO1
18	Find gcd of 2 numbers.	05/11/22	CO1
19	From a list of integers, create a list removing even numbers.	05/11/22	CO1
20	Program to find the factorial of a number	07/11/22	CO2
21	Generate Fibonacci series of N terms	07/11/22	CO2
22	Find the sum of all items in a list	07/11/22	CO2

23	Generate a list of four digit numbers in a given range with all their digits even and the number is a perfect square.	07/11/22	CO2
24	Display the given pyramid with step number accepted from user. Eg: N=4 1 2 4 3 6 9 4 8 12 16	07/11/22	CO2
25	Count the number of characters (character frequency) in a string.	07/11/22	CO2
26	Add 'ing' at the end of a given string. If it already ends with 'ing', then add 'ly'.	11/11/22	CO2
27	Accept a list of words and return length of longest word.	11/11/22	CO2
28	Construct following pattern using nested loop *	14/11/22	CO2
29	Generate all factors of a number.	18/11/22	CO2
30	Write lambda functions to find area of square, rectangle and triangle.	18/11/22	CO2
31	Write a Python Program to subtract five days from the current date.	21/11/22	CO3
32	Create a package graphics with modules rectangle, circle and sub-package 3D-graphics with modules cuboid and sphere. Include methods to find area and perimeter of respective figures in each module. Write programs that finds area and perimeter of figures by different importing statements. (Include selective import of modules and import * statements)	02/12/22	CO3
33	Create Rectangle class with attributes length and breadth and methods to find area and perimeter. Compare two Rectangle objects by their area.	09/12/22	CO4

34	Create a Bank account with members account number, name, type of account and balance. Write constructor and methods to deposit at the bank and withdraw an amount from the bank.	09/12/22	CO4
35	Create a class Rectangle with private attributes length and width. Overload '<' operator to compare the area of 2 rectangles.	12/12/22	CO4
36	Create a class Time with private attributes hour, minute and second. Overload '+' operator to find sum of 2 time.	16/12/22	CO4
37	Create a class Publisher (name). Derive class Book from Publisher with attributes title and author. Derive class Python from Book with attributes price and no.of pages. Write a program that displays information about a Python book. Use base class constructor invocation and method overriding.	17/12/22	CO4
38	Write a Python program to read a file line by line and store it into a list.	19/12/22	CO5
39	Python program to copy odd lines of one file to other.	06/01/23	CO5
40	Write a Python program to read each row from a given csv file and print a list of strings.	06/01/23	CO5
41	Write a Python program to read specific columns of a given CSV file and print the content of the columns.	09/01/23	CO5
42	Write a Python program to write a Python dictionary to a csv file. After writing the CSV file read the CSV file and display the content.	09/01/23	CO5
43	Micro Project = CRUD Operation in Django Framework	20/01/23	CO1, CO2, CO3, CO4, CO5