

Date-Time Programs:

1. Python program to get Current Time
2. Get Current Date and Time using Python
3. Python | Find yesterday's, today's and tomorrow's date
4. Python program to convert time from 12 hour to 24 hour format
5. Python program to find difference between current time and given time
6. Python Program to Create a Lap Timer
7. Convert date string to timestamp in Python
8. How to convert timestamp string to datetime object in Python?
9. Find number of times every day occurs in a Year

Python File Handling Programs:

1. Python program to read file word by word
2. Python program to read character by character from a file
3. Python – Get number of characters, words, spaces and lines in a file
4. Python | Finding 'n' Character Words in a Text File
5. Python Program to obtain the line number in which given word is present
6. Count number of lines in a text file in Python
7. Python Program to Eliminate repeated lines from a file
8. Python – Append content of one text file to another
9. Python program to copy odd lines of one file to other
10. Python Program to merge two files into a third file
11. Python program to Reverse a single line of a text file
12. Python program to reverse the content of a file and store it in another file

Scenario Based Programs:

1. Python Program for Linear Search
2. Python Program for Binary Search (Recursive and Iterative)
3. Python Program for Bubble Sort
4. Write a python program for string that will print out char with char count.
E.g. words = 'aaaabahhhhhhaaa' Output should be a4b1a1h5
5. Write a python program to take command line arguments. (using docopt and other libraries). Two or more programs.
6. Write a python program to take input date string, time string is in UTC format we need to convert it into PST and print converted date time. E.g. input: "2023-02-13 18:10:27"
7. write a program for character count string "aaabbbccaa" for output:a5b3c2
8. Write a decorator for calculating execution time of any python function.
9. Problem: Remove specified characters in a string irrespective of the case.char_to_remove =['A','N'] string= 'Think Analytics'
5.Problem: Perform below task
 - 1) Create a list of 10 even numbers using list comprehension.
 - 2) Create a list of 10 odd numbers using list comprehension.
 - 3) Multiply and sum them up while iterating over once.
$$x = x1 + x2 + x3 + + x9 + x10$$
$$y = y1 + y2 + y3 + + y9 + y10$$
$$z = x1y1 + x2y2 + x3y3 + + x9y9 + x10y10$$
10. create decorator for function which prints its arguments. decorator should check if argument divided by 2. if it is then only run the function.
11. Student management system in Python(Using Class and Object)
Problem Statement: Write a program to build a simple Student Management System using Python which can perform the following operations:

Accept, Display, Search, Delete, Update

Accept – This method takes details from the user like name, roll number, and marks for two different subjects

Search – This method searches for a particular student from the list of students. This method will ask the user for roll number and then search according to the roll number

Delete – This method deletes the record of a particular student with a matching roll number

Update – This method updates the roll number of the student. This method will ask for the old roll number and new roll number. It will replace the old roll number with a new roll number.

12. Write a program to convert json file to csv file.