**Basic Programs:**

Python program to add two numbers

Maximum of two numbers in Python

Python Program for factorial of a number

Python Program for simple interest

Python Program for compound interest

Python Program to check Armstrong Number

Python Program for Program to find area of a circle

Python program to print all Prime numbers in an Interval

Python program to check whether a number is Prime or not

Python Program for n-th Fibonacci number

Python Program for How to check if a given number is Fibonacci number?

Python Program for n\’th multiple of a number in Fibonacci Series

Program to print ASCII Value of a character

Python Program for Sum of squares of first n natural numbers

Python Program for cube sum of first n natural numbers

**Array Programs:**

Python Program to find sum of array

Python Program to find largest element in an array

Python Program for array rotation

Python Program for Reversal algorithm for array rotation

Python Program to Split the array and add the first part to the end

Python Program for Find reminder of array multiplication divided by n

Python Program to check if given array is Monotonic

**List Programs:**

Python program to interchange first and last elements in a list

Python program to swap two elements in a list

Python | Ways to find length of list

Python | Ways to check if element exists in list

Different ways to clear a list in Python

Python | Reversing a List

Python program to find sum of elements in list

Python | Multiply all numbers in the list

Python program to find smallest number in a list

Python program to find largest number in a list

Python program to find second largest number in a list

Python program to find N largest elements from a list

Python program to print even numbers in a list

Python program to print odd numbers in a List

Python program to print all even numbers in a range

Python program to print all odd numbers in a range

Python program to print positive numbers in a list

Python program to print negative numbers in a list

Python program to print all positive numbers in a range

Python program to print all negative numbers in a range

Remove multiple elements from a list in Python

Python – Remove empty List from List

Python | Cloning or Copying a list

Python | Count occurrences of an element in a list

Python | Remove empty tuples from a list

Python | Program to print duplicates from a list of integers

Python program to find Cumulative sum of a list

Python | Sum of number digits in List

Break a list into chunks of size N in Python

Python | Sort the values of first list using second list

**Matrix Programs:**

Python program to add two Matrices

Python program to multiply two matrices

Python program for Matrix Product

Adding and Subtracting Matrices in Python

Transpose a matrix in Single line in Python

Python | Matrix creation of n\*n

Python | Get Kth Column of Matrix

Python – Vertical Concatenation in Matrix

**String Programs:**

Python program to check if a string is palindrome or not

Python program to check whether the string is Symmetrical or Palindrome

Reverse words in a given String in Python

Ways to remove i’th character from string in Python

Python | Check if a Substring is Present in a Given String

Python – Words Frequency in String Shorthands

Python – Convert Snake case to Pascal case

Find length of a string in python (4 ways)

Python program to print even length words in a string

Python program to accept the strings which contains all vowels

Python | Count the Number of matching characters in a pair of string

Remove all duplicates from a given string in Python

Python – Least Frequent Character in String

Python | Maximum frequency character in String

Python | Program to check if a string contains any special character

Generating random strings until a given string is generated

Find words which are greater than given length k

Python program for removing i-th character from a string

Python program to split and join a string

Python | Check if a given string is binary string or not

Python program to find uncommon words from two Strings

Python – Replace duplicate Occurrence in String

Python – Replace multiple words with K

Python | Permutation of a given string using inbuilt function

Python | Check for URL in a String

Execute a String of Code in Python

String slicing in Python to rotate a string

String slicing in Python to check if a string can become empty by recursive deletion

Python Counter| Find all duplicate characters in string

Python – Replace all occurrences of a substring in a string

**Dictionary Programs:**

Python – Extract Unique values dictionary values

Python program to find the sum of all items in a dictionary

Python | Ways to remove a key from dictionary

Ways to sort list of dictionaries by values in Python – Using itemgetter

Ways to sort list of dictionaries by values in Python – Using lambda function

Python | Merging two Dictionaries

Python – Convert key-values list to flat dictionary

Python – Insertion at the beginning in OrderedDict

Python | Check order of character in string using OrderedDict( )

Dictionary and counter in Python to find winner of election

Python – Append Dictionary Keys and Values ( In order ) in dictionary

Python | Sort Python Dictionaries by Key or Value

Python – Sort Dictionary key and values List

Handling missing keys in Python dictionaries

Python dictionary with keys having multiple inputs

Print anagrams together in Python using List and Dictionary

K’th Non-repeating Character in Python using List Comprehension and OrderedDict

Check if binary representations of two numbers are anagram

Python Counter to find the size of largest subset of anagram words

Python | Remove all duplicates words from a given sentence

Python Dictionary to find mirror characters in a string

Counting the frequencies in a list using dictionary in Python

Python | Convert a list of Tuples into Dictionary

Python counter and dictionary intersection example (Make a string using deletion and rearrangement)

Python dictionary, set and counter to check if frequencies can become same

Scraping And Finding Ordered Words In A Dictionary using Python

Possible Words using given characters in Python

Python – Keys associated with Values in Dictionary

**Tuple Programs:**

Python program to Find the size of a Tuple

Python – Maximum and Minimum K elements in Tuple

Create a list of tuples from given list having number and its cube in each tuple

Python – Adding Tuple to List and vice – versa

Python – Closest Pair to Kth index element in Tuple

Python – Join Tuples if similar initial element

Python – Extract digits from Tuple list

Python – All pair combinations of 2 tuples

Python – Remove Tuples of Length K

Sort a list of tuples by second Item

Python program to Order Tuples using external List

Python – Flatten tuple of List to tuple

Python – Convert Nested Tuple to Custom Key Dictionary

**More >>**

**Searching and Sorting Programs:**

Python Program for Binary Search (Recursive and Iterative)

Python Program for Linear Search

Python Program for Insertion Sort

Python Program for Recursive Insertion Sort

Python Program for QuickSort

Python Program for Iterative Quick Sort

Python Program for Selection Sort

Python Program for Bubble Sort

Python Program for Merge Sort

Python Program for Iterative Merge Sort

Python Program for Heap Sort

Python Program for Counting Sort

Python Program for ShellSort

Python Program for Topological Sorting

Python Program for Radix Sort

Python Program for Binary Insertion Sort

Python Program for Bitonic Sort

Python Program for Comb Sort

Python Program for Pigeonhole Sort

Python Program for Cocktail Sort

Python Program for Gnome Sort

Python Program for Odd-Even Sort / Brick Sort

Python Program for BogoSort or Permutation Sort

Python Program for Cycle Sort

Python Program for Stooge Sort

**Pattern Printing Programs:**

Python Program to print the pattern ‘G’

Python Program to print an Inverted Star Pattern

Python Program to print double sided stair-case pattern

Python Program to print with your own font

**Date-Time Programs:**

Python program to get Current Time

Get Current Date and Time using Python

Python | Find yesterday’s, today’s and tomorrow’s date

Python program to convert time from 12 hour to 24 hour format

Python program to find difference between current time and given time

Python Program to Create a Lap Timer

Convert date string to timestamp in Python

How to convert timestamp string to datetime object in Python?

Find number of times every day occurs in a Year

**Python Regex Programs:**

Python Program to Check if String Contain Only Defined Characters using Regex

Python program to Count Uppercase, Lowercase, special character and numeric values using Regex

Python Program to find the most occurring number in a string using Regex

Python Regex to extract maximum numeric value from a string

Python Program to put spaces between words starting with capital letters using Regex

Python – Check whether a string starts and ends with the same character or not

Python regex to find sequences of one upper case letter followed by lower case letters

Python Program to Remove duplicate words from Sentence

Python | Remove all characters except letters and numbers

Python Regex | Program to accept string ending with alphanumeric character

Python Regex – Program to accept string starting with vowel

Python Program to check if a string starts with a substring using regex

Python Program to Check if an URL is valid or not using Regular Expression

Parsing and Processing URL using Python – Regex

Python Program to validate an IP address using ReGex

Python Program to Check if email address valid or not

Python program to find files having a particular extension using RegEx

Python program to extract IP address from file

Python program to check the validity of a Password

Categorize Password as Strong or Weak using Regex in Python

**Python File Handling Programs:**

Python program to read file word by word

Python program to read character by character from a file

Python – Get number of characters, words, spaces and lines in a file

Python program to Count the Number of occurrences of a key-value pair in a text file

Python | Finding ‘n’ Character Words in a Text File

Python Program to obtain the line number in which given word is present

Count number of lines in a text file in Python

Python Program to remove lines starting with any prefix

Python Program to Eliminate repeated lines from a file

Python Program to read List of Dictionaries from File

Python – Append content of one text file to another

Python program to copy odd lines of one file to other

Python Program to merge two files into a third file

Python program to Reverse a single line of a text file

Python program to reverse the content of a file and store it in another file

Python Program to Reverse the Content of a File using Stack

**More Python Programs:**

Python Program to Reverse a linked list

Python Program for Find largest prime factor of a number

Python Program for Efficient program to print all prime factors of a given number

Python Program for Product of unique prime factors of a number

Python Program for Find sum of odd factors of a number

Python Program for Coin Change

Python Program for Tower of Hanoi

Python Program for Sieve of Eratosthenes

Python Program to Check if binary representation is palindrome

Python Program for Basic Euclidean algorithms

Python Program for Extended Euclidean algorithms

Python Program for Maximum height when coins are arranged in a triangle

Python Program for Find minimum sum of factors of number

Python Program for Difference between sums of odd and even digits

Python Program for Program to Print Matrix in Z form

Python Program for Smallest K digit number divisible by X

Python Program for Print Number series without using any loop

Python Program for Number of stopping station problem

Check if a triangle of positive area is possible with the given angles

Python program to find the most occurring character and its count

Python Program for Find sum of even factors of a number

Python Program for Check if all digits of a number divide it

Check whether a number has consecutive 0’s in the given base or not

Python Program for Number of solutions to Modular Equations

Python Program for Legendre\’s Conjecture