**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