**Python Basic Programs**

[**https://www.javatpoint.com/python-programs**](https://www.javatpoint.com/python-programs)

• Python program to print "Hello Python"

• Python program to do arithmetical operations

• Python program to find the area of a triangle

• Python program to solve quadratic equation

• Python program to swap two variables

• Python program to generate a random number

• Python program to convert kilometers to miles

• Python program to convert Celsius to Fahrenheit

• Python program to display calendar

• Python Program to Check if a Number is Positive, Negative or Zero

• Python Program to Check if a Number is Odd or Even

• Python Program to Check Leap Year

• Python Program to Check Prime Number

• Python Program to Print all Prime Numbers in an Interval

• Python Program to Find the Factorial of a Number

• Python Program to Display the multiplication Table

• Python Program to Print the Fibonacci sequence

• Python Program to Check Armstrong Number

• Python Program to Find Armstrong Number in an Interval

• Python Program to Find the Sum of Natural Numbers

**Python Function Programs**

• Python Program to Find LCM

• Python Program to Find HCF

• Python Program to Convert Decimal to Binary, Octal and Hexadecimal

• Python Program To Find ASCII value of a character

• Python Program to Make a Simple Calculator

• Python Program to Display Calendar

• Python Program to Display Fibonacci Sequence Using Recursion

• Python Program to Find Factorial of Number Using Recursion

**Python Number Programs**

• Python program to check if the given number is a Disarium Number

• Python program to print all disarium numbers between 1 to 100

• Python program to check if the given number is Happy Number

• Python program to print all happy numbers between 1 and 100

• Python program to determine whether the given number is a Harshad Number

• Python program to print all pronic numbers between 1 and 100

**Python Array Programs**

• Python program to copy all elements of one array into another array

• Python program to find the frequency of each element in the array

• Python program to left rotate the elements of an array

• Python program to print the duplicate elements of an array

• Python program to print the elements of an array

• Python program to print the elements of an array in reverse order

• Python program to print the elements of an array present on even position

• Python program to print the elements of an array present on odd position

• Python program to print the largest element in an array

• Python program to print the smallest element in an array

• Python program to print the number of elements present in an array

• Python program to print the sum of all elements in an array

• Python program to right rotate the elements of an array

• Python program to sort the elements of an array in ascending order

• Python program to sort the elements of an array in descending order

**Python Matrix Programs**

• Python Program to Add Two Matrices

• Python Program to Multiply Two Matrices

• Python Program to Transpose a Matrix

Python String Programs

• Python Program to Sort Words in Alphabetic Order

• Python Program to Remove Punctuation From a String

• Python Program to reverse a string

• Python Program to convert list to string

• Python Program to convert int to string

• Python Program to concatenate two strings

• Python Program to generate a Random String

• Python Program to convert Bytes to string

**Python List Programs**

• Python Program to append element in the list

• Python Program to compare two lists

• Python Program to convert list to dictionary

• Python Program to remove an element from a list

• Python Program to add two lists

• Python Program to convert List to Set

• Python Program to convert list to string

**Python Dictionary Programs**

• Python Program to create a dictionary

• Python Program to convert list to dictionary

• Python Program to sort a dictionary

• Python Program to Merge two Dictionaries

**Python Searching and Sorting Programs**

• Binary Search in Python

• Linear Search in Python

• Bubble Sort in Python

• Insertion Sort in Python

• Heap Sort in Python

• Merge Sort in Python

**Python Circular Linked List Programs**

• Python program to create a Circular Linked List of N nodes and count the number of nodes

• Python program to create a Circular Linked List of n nodes and display it in reverse order

• Python program to create and display a Circular Linked List

• Python program to delete a node from the beginning of the Circular Linked List

• Python program to delete a node from the end of the Circular Linked List

• Python program to delete a node from the middle of the Circular Linked List

• Python program to find the maximum and minimum value node from a circular linked list

• Python program to insert a new node at the beginning of the Circular Linked List

• Python program to insert a new node at the end of the Circular Linked List

• Python program to insert a new node at the middle of the Circular Linked List

• Python program to remove duplicate elements from a Circular Linked List

• Python program to search an element in a Circular Linked List

• Python program to sort the elements of the Circular Linked List

**Python Doubly Linked List Programs**

• Python program to convert a given binary tree to doubly linked list

• Python program to create a doubly linked list from a ternary tree

• Python program to create a doubly linked list of n nodes and count the number of nodes

• Python program to create a doubly linked list of n nodes and display it in reverse order

• Python program to create and display a doubly linked list

• Python program to delete a new node from the beginning of the doubly linked list

• Python program to delete a new node from the end of the doubly linked list

• Python program to delete a new node from the middle of the doubly linked list

• Python program to find the maximum and minimum value node from a doubly linked list

• Python program to insert a new node at the beginning of the Doubly Linked list

• Python program to insert a new node at the end of the Doubly Linked List

• Python program to insert a new node at the middle of the Doubly Linked List

• Python program to remove duplicate elements from a Doubly Linked List

• Python program to rotate doubly linked list by N nodes

• Python program to search an element in a doubly linked list