MANIPAL UNIVERSITY JAIPUR  
School of Basic Sciences

Department of Computer Application  
Program List

Python Programming Lab| CA2231| Credit 4

Session: Jan 23 – June 23 | Faculty: Dr. Pragya vaishnav | Class: BCA (IV Sem)

| SL. No. | Title of the Program |
| --- | --- |
| 1 | Write a program to perform all the arithmetic operation by taking inputs from the user |
| 2 | Write a program to Swap the two numbers without using third variable. |
| 3 | Write a program to find the square root of the given number. |
| 4 | Write a program to show the scope of a variable. |
| 5 | Write a program to read string from console and display the number of occurrence of each word. |
| 6 | Write a program to check the given number is prime number or not. |
| 7 | Write a program to find the Armstrong number. |
| 8 | Write a program to find the Fibonacci series. |
| 9 | Write a program to [check Whether a String is Palindrome or Not](https://www.programiz.com/python-programming/examples/palindrome) |
| 10 | Write a program  [to Slice Lists](https://www.programiz.com/python-programming/examples/list-slicing) |
| 11 | Write a [Python Program to Iterate List, Set, tuple, Dictionaries Using for Loop](https://www.programiz.com/python-programming/examples/iterate-for-dictionary) |
| 12 | Write a [Python Program to Sort a Dictionary by Value](https://www.programiz.com/python-programming/examples/sort-dictionary-value) |
| 13 | Write a [Python Program to Copy a File](https://www.programiz.com/python-programming/examples/copy-file) |
| 14 | Write a [Python Program to Concatenate Two Lists](https://www.programiz.com/python-programming/examples/concatenate-two-lists) |
| 15 | Write a [Python Program to Check if a Key is Already Present in a Dictionary](https://www.programiz.com/python-programming/examples/key-in-dictionary) |
| 16 | Write a [Python Program to Count the Occurrence of an Item in a List](https://www.programiz.com/python-programming/examples/occurrence-of-item) |
| 17 | [Write a Python Program to Append to a File](https://www.programiz.com/python-programming/examples/append-to-file) |
| 18 | Write a [Python Program to Delete an Element From a Dictionary](https://www.programiz.com/python-programming/examples/delete-from-dictionary) |
| 19 | Write a [Python Program to Return Multiple Values From a Function](https://www.programiz.com/python-programming/examples/multiple-return-values) |
| 20 | Write a [Python Program to Remove Duplicate Element From a List](https://www.programiz.com/python-programming/examples/remove-duplicate-from-list) |
| 21 | Write a [Python – Adding Tuple to List and vice – versa](https://www.geeksforgeeks.org/python-adding-tuple-to-list-and-vice-versa/) |
| 22 | Write a [Python – Sort Dictionary key and values List](https://www.geeksforgeeks.org/python-sort-dictionary-key-and-values-list/) |
| 23 | Write a [Python program to print even numbers in a list](https://www.geeksforgeeks.org/python-program-to-print-even-numbers-in-a-list/) |
| 24 | Write a [Python Program to merge two files into a third file](https://www.geeksforgeeks.org/python-program-to-merge-two-files-into-a-third-file/) |
| 25 | Write a Python to create a Class and Object |
| 26 | Write a Python program to implement Inheritance |
| 27 | Write a Python program to implement Encapsulation |
| 28 | Write a Python program to implement Polymorphism |
| 29 | Write a Python program to find out the [Reverse words in a given String in Python](https://www.geeksforgeeks.org/reverse-words-given-string-python/) |
| 30 | Write a Python program to [Remove all duplicates from a given string in Python](https://www.geeksforgeeks.org/remove-duplicates-given-string-python/) |
| 31 | Write a Python program  [for Maximum frequency character in String](https://www.geeksforgeeks.org/python-maximum-frequency-character-in-string/) |

More Program to be provided in coming days.

Date: 15/02/2023

Dr Pragya Vaishnav

Assistant Professor