

Assignment-I

1. Python Program to Calculate the Area of a Triangle
2. Python Program to Swap Two Variables
3. Python Program to Generate a Random Number
4. Write a Python Program to Check if a Number is Positive, Negative or Zero
5. Write a Python Program to Check if a Number is Odd or Even
6. Write a Python Program to Check Prime Number
7. Write a Python Program to Check Armstrong Number
8. Write a Python Program to Find the Factorial of a Number

Assignment-II

1. Write a python program to check whether the string is Symmetrical or Palindrome
2. Write a python program to Reverse words in a given String
3. Write a python program to remove ith character from string in different ways
4. Write a python program to print even length words in a string
5. Write a python program to accept the strings which contains all vowels
6. Write a python program to Count the Number of matching characters in a pair of string

Assignment-III

1. Write a Python function to find the Max of three numbers.
2. Write a Python function to sum all the numbers in a list.
3. Write a Python program to reverse a string.
4. Write a Python function that takes a list and returns a new list with unique elements of the first list.
5. Write a Python function that takes a number as a parameter and check the number is prime or not.
6. Write a Python function to check whether a number is perfect or not.

Assignment-IV

List

1. Write a Python program to sum all the items in a list.
2. Write a Python program to multiplies all the items in a list.
3. Write a Python program to get a list, sorted in increasing order by the last element in each tuple from a given list of non-empty tuples.
4. Write a Python program to remove duplicates from a list.
5. Write a Python program to check a list is empty or not.

Tuples

1. Write a Python program to create a tuple.
2. Write a Python program to create a tuple with different data types.
3. Write a Python program to check whether an element exists within a tuple.
4. Write a Python program to convert a list to a tuple.
5. Write a Python program to remove an item from a tuple.
6. Write a Python program to slice a tuple.
7. Write a Python program to find the length of a tuple.

Sets

1. Write a Python program to create a set.
2. Write a Python program to iterate over sets.
3. Write a Python program to create set difference.
4. Write a Python program to check if a set is a subset of another set.
5. Write a Python program to find maximum and the minimum value in a set.
6. Write a Python program to find the length of a set.

Dictionary

1. Write a Python script to sort (ascending and descending) a dictionary by value.
2. Write a Python script to add a key to a dictionary.
3. Write a Python program to iterate over dictionaries using for loops.
4. Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x*x).
5. Write a Python script to merge two Python dictionaries.
6. Write a Python program to get a dictionary from an object's fields.

Assignment-V

1. Write a Python program to demonstrate the zero-division error and overflow error.
2. Write a Python program to find sequences of lowercase letters joined with a underscore
3. Write a python program to Check if String Contain Only Defined Characters using Regex
4. Write a Python program to match a string that contains only upper and lowercase letters, numbers, and underscores. Write a Python program to raised the attribute error, if attribute class object has no attribute with the name attribute.
5. Write a python Program to Remove duplicate words from Sentence
6. Write a python to| Remove all characters except letters and numbers