

Assignment-1

- Q1).** Write a program to reverse an integer in Python
- Q2).** Write a program in Python to check whether an integer is Armstrong number or not.
- Q3).** Write a program in Python to check given number is prime or not.
- Q4).** Write a program in Python to print the Fibonacci series using iterative method.
- Q5).** Write a program in Python to print the fibonacci series using recursive method.
- Q6).** Write a program in Python to check whether a number is palindrome or not using iterative method.
- Q7).** Write a program in Python to check whether a number is palindrom or not using recursive method.
- Q8).** Write a program in Python to find greatest among three integers.
- Q9).** Write a program in Python to check if a number is binary?
- Q10).** Write a program in Python to find sum of digits of a number using recursion?
- Q11).** Write a program in Python to swap two numbers without using third variable?
- Q12).** Write a program in Python to swap two numbers using third variable?
- Q13).** Write a program in Python to find prime factors of a given integer.
- Q14).** Write a program in Python to add two integer without using arithmetic operator?
- Q15).** Write a program in Python to find given number is perfect or not?

- Q16).** Python Program to find the Average of numbers with explanations.
- Q17).** Python Program to calculate factorial using iterative method.
- Q18).** Python Program to calculate factorial using recursion.
- Q19).** Python Program to check a given number is even or odd.
- Q20).** Python program to print first n Prime Number with explanation.
- Q21).** Python Program to print Prime Number in a given range
- Q22).** Python Program to find Smallest number among three.
- Q23).** Python program to calculate the power using the POW method.
- Q24).** Python Program to calculate the power without using POW function.(using for loop)
- Q25).** Python Program to calculate the power without using POW function.(using while loop).
- Q26).** Python Program to calculate the square of a given number.
- Q27).** Python Program to calculate the cube of a given number
- Q28).** Python Program to calculate the square root of a given number.
- Q29).** Python program to calculate LCM of given two numbers.
- Q30).** Python Program to find GCD or HCF of two numbers.
- Q31).** Python Program to find GCD of two numbers using recursion.
- Q32).** Python Program to Convert Decimal Number into Binary.
- Q33).** Python Program to convert Decimal number to Octal number.
- Q34).** Python Program to check the given year is a leap year or not.
- Q35).** Python Program to convert Celsius to Fahrenheit.
- Q36).** Python Program to convert Fahrenheit to Celsius.
- Q37).** Python program to calculate Simple Interest with explanation.

Python Coding Questions on String

- Q1).** Python program to remove given character from String.
- Q2).** Python Program to count occurrence of a given characters in string.
- Q3).** Python Program to check if two Strings are Anagram.
- Q4).** Python program to check a String is palindrome or not.
- Q5).** Python program to check given character is vowel or consonant.
- Q6).** Python program to check given character is digit or not.
- Q7).** Python program to check given character is digit or not using isdigit() method.
- Q8).** Python program to replace the string space with a given character.
- Q9).** Python program to replace the string space with a given character using replace() method.
- Q10).** Python program to convert lowercase char to uppercase of string.
- Q11).** Python program to convert lowercase vowel to uppercase in string.
- Q12).** Python program to delete vowels in a given string.
- Q13).** Python program to count Occurrence Of Vowels & Consonants in a String.
- Q14).** Python program to print the highest frequency character in a String.
- Q15).** Python program to Replace First Occurrence Of Vowel With '-' in String.
- Q16).** Python program to count alphabets, digits and special characters.
- Q17).** Python program to separate characters in a given string.

- Q18).** Python program to remove blank space from string.
- Q19).** Python program to concatenate two strings using join() method.
- Q20).** Python program to concatenate two strings using join() method.
- Q21).** Python program to remove repeated character from string.
- Q22).** Python program to calculate sum of integers in string.
- Q23).** Python program to print all non-repeating character in string.
- Q24).** Python program to copy one string to another string.
- Q23).** Python Program to sort characters of string in ascending order.
- Q24).** Python Program to sort character of string in descending order.

Python Coding Questions on Array

- Q1).** Write a program in Python for, In array 1-100 numbers are stored, one number is missing how do you find it.
- Q2).** Write a program in Python for, In a array 1-100 multiple numbers are duplicates, how do you find it.
- Q3).** Write a program in Python for, How to find all pairs in array of integers whose sum is equal to given number.
- Q4).** Write a program in Python for, How to compare two array is equal in size or not.
- Q5).** Write a program in Python to find largest and smallest number in array.
- Q6).** Write a program in Python to find second highest number in an integer array.
- Q7).** Write a program in Python to find top two maximum number in array?
- Q8).** Write a program in Python to remove duplicate elements form array.
- Q9).** Python program to find top two maximum number in array.

- Q10).** Python program to print array in reverse Order.
- Q11).** Python program to reverse an Array in two ways.
- Q12).** Python Program to calculate length of an array.
- Q13).** Python program to insert an element at end of an Array.
- 14).** Python program to insert element at a given location in Array.
- 15).** Python Program to delete element at end of Array.
- 16).** Python Program to delete given element from Array.
- 17).** Python Program to delete element from array at given index.
- 18).** Python Program to find sum of array elements.
- 19).** Python Program to print all even numbers in array.
- 20).** Python Program to print all odd numbers in array.
- 21).** Python program to perform left rotation of array elements by two positions.
- 22).** Python program to perform right rotation in array by 2 positions.
- 23).** Python Program to merge two arrays.
- 24).** Python Program to find highest frequency element in array.
- 25).** Python Program to add two number using recursion.
- 26).** Python Program to find sum of digit of number using recursion.