Birla Institute of Technology,Mesra
Off Campus Deoghar

Python

Practice Session

1.Write a program to compute distance between two points taking input from the user (Pythagorean Theorem).

2.Write a program add.py that takes 2 numbers as command line arguments and prints its sum.

3. Write a Program for checking whether the given number is a even number or not.

4.Using a for loop, write a program that prints out the decimal equivalents of 1/2, 1/3, 1/4, . . . 1/10.

5.Write a program using a while loop that asks the user for a number, and prints a countdown from that number to zero.

6. Write a program in python that each new term in the Fibonacci sequence is generated by adding the previous two terms. By

starting with 1 and 2, the first 10 terms will be:

1, 2, 3, 5, 8, 13, 21, 34, 55, 89, ...

7.Write a program to compute the number of characters, words and lines in a file.

8.Write a program in python to find mean, median, mode for the given set of numbers in a list.

9.Write a program that defines a matrix and prints

10.Write a program to perform addition of two square matrices

11.Write a program to compute gcd, lcm of two numbers.

12. Write a program to perform multiplication of two square matrices

13. Write a program in python to find all the unique elements of a list.

14. Write a program for displaying reversal of a number.

15. Write a program in python to implement Python Script to generate first N natural numbers.

16. Write a program in python to implement Python Script to check given number is palindrome or not.

17. Write a program in python to implement Python script to print factorial of a number.

18. Write a program in python to implement Python Script to print sum of N natural numbers.

19. Write a program in python to implement Python Script to check given number is Armstrong or not.

20. Write a program in python to i mplement Python Script to generate prime numbers series up to n

21. Write a program in python to Finding the sum and average of given numbers using lists.

22. Write a program in python to display elements of list in reverse order.

23. Write a program in python to finding the minimum and maximum elements in the lists.

24. Write a program in python to implement Python Script to perform various operations on string using string libraries.

25. Write a program in python to implement Python Script to check given string is palindrome or not.

26. Write a program in python to implement python script to accept line of text and find the number of characters,number of vowels and number of blank spaces in it.

27. Write a program to read a string and display it in reverse order-display one character per line. Do not create a reverse string ,just display in reverse order.

28. Write a program in python that reads a line and substring . It should then display the number of occurrences of the given substring in the line.