Department of Computer Applications
PESU
MCA III Sem
Python Programming

Assignment 4

Write python programs using functions to
1. Find the maximum of three numbers.
2. Find the sum of the numbers in a list.
3. Reverse a string without using built-in function.
4. Read a string and a character and display the frequency of its occurrence in the string.
5. Check whether the input is a palindrome or not.
   a. Check whether the input is integer or string and call the respective functions to check for palindrome.
6. Read a string and check if the string contains at least one occurrence of all the 26 alphabets.
7. Recursively calculate the gcd of two numbers. Handle the exceptions.
8. Recursively sum up 'n' natural numbers.
9. Recursively convert a decimal number to binary number. Handle the exceptions.
10. Create a simple calculator.
11. Find all possible divisors of a number. Count the total number and sum up all the divisors. (Use two functions)
12. Read a list of strings and display the length of each string with the string.
13. Recursively print the Pascal's triangle upto 'n' rows.
14. Print all prime numbers in a given range.
15. Read two matrices and display the sum and difference of the same.