List of Programs for Practical File - XII

1. Write a Program to show whether entered numbers are prime or not in the given range.
2. Input a string and determine whether it is a palindrome or not.
3. Find the largest/smallest number in a list/tuple
4. WAP to input any two tuples and swap their values.
5. WAP to store students' details like admission number, roll number, name and percentage in a dictionary and display information on the basis of admission number.
6. Write a program with a user-defined function with string as a parameter which replaces all vowels in the string with '*'.
7. Recursively find the factorial of a natural number.
8. Write a recursive code to find the sum of all elements of a list.
9. Write a recursive code to compute the nth Fibonacci number.
10. Read a text file line by line and display each word separated by a #.
11. Read a text file and display the number of vowels/ consonants/ uppercase/ lowercase and other than character and digit in the file.
12. Write a Python code to find the size of the file in bytes, the number of lines, number of words and no. of character.
13. Write a program that accepts a filename of a text file and reports the file's longest line.
14. Create a binary file with the name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
15. Create a binary file with roll number, name and marks. Input a roll number and update details.

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16. Remove all the lines that contain the character `a' in a file and write it to another file.
17. Write a program to perform read and write operation onto a student.csv file having fields as roll number, name, stream and percentage.
18. Program to search the record of a particular student from CSV file on the basis of inputted name.
19. Write a random number generator that generates random numbers between 1 and 6 (simulates a dice).
20. Write a program to create a library in python and import it in a program.
21. Write a python program to implement sorting techniques based on user choice using a list data-structure. (bubble/insertion)
22. Take a sample of ten phishing e-mails (or any text file) and find the most commonly occurring word(s).
23. Write a python program to implement a stack using a list data-structure.
24. Write a program to implement a queue using a list data structure.
25. Write a python program to implement searching methods based on user choice using a list data-structure. (linear & binary)