**Assignement-4**

1. Write a C program to check whether a number is prime, Armstrong or perfect number using functions.
2. Write a C program to find all prime numbers between given interval using functions.
3. Write a C program to find power of any number using recursion.
4. Write a C program to find sum of digits of a given number using recursion.
5. Write a C program to find sum of elements of array using recursion.
6. Write a C program to find maximum and minimum elements in array using recursion.
7. Write a C program to input and print array elements using pointer.
8. Write a C program to copy one array to another using pointers.
9. Write a C program to swap two arrays using pointers.
10. Write a C program to multiply two matrix using pointers.
11. Write a C program to find length of string using pointers.
12. Write a C program to concatenate two strings using pointers.
13. Write a C program to sort array using pointers.
14. Write a C program to return multiple value from function using pointers.
15. Write a C program to create a file and write contents, save and close the file.
16. Write a C program to read file contents and display on console.
17. Write a C program to read numbers from a file and write even, odd and prime numbers to separate file.
18. Write a C program to append content to a file.
19. Write a C program to compare two files.
20. Write a C program to copy contents from one file to another file.
21. Write a C program to merge two file to third file.
22. Write a C program to count characters, words and lines in a text file.
23. Write a C program to convert uppercase to lowercase character and vice versa in a text file.