

## **T and T lab, 15<sup>th</sup> February 2023**

1. Write a program to calculate values of N variable.
2. Write a program to find square root of a number using Newton's method.
3. Write a program to find exponentiation(power) of a number.
4. Write a program to find linear search in a list.
5. Write a program to find binary search in a list.
6. Write a program to implement selection sort.
7. Write a program to implement merge sort.
8. Write a program to find first N prime number,
9. Write a program to multiply two matrices
10. Write a program to find maximum of a list of a number.
11. Write a program that encrypts a message by adding a key value to every character (Caesar Cipher)
12. Write a program to find whether a given character is present in a string or not.
13. Write a program that uses lambda function to multiply two numbers.
14. Write a program to reverse a string without using recursion.
15. Write a program that counts the amount of lowercase, uppercase and digit entered by user.