

Indian Institute of Information Technology, Nagpur

Department of Computer Science and Engineering

Session:2022-2023

Course: Compiler

VI Semester

Lab Assignment 2

Marks: 10

All the students should study **Lex Tool**. The links to the Lex tutorial are,

<https://youtu.be/ubBbZoyDr2M>

<https://youtu.be/G-eJ6E2DcDQ>

Deadlines:

Simulate the Lex programs and submit the assignment 2 on or before

Batch 1- 14/02/23

Batch 2- 16/02/23

Instructions:

1. Write program for any 4 out of first 5 questions and Q6 is compulsory.
2. Create a zip file containing all the programs and input files and name the zip file as: **If your group no. is C1-05 then give name as assign2_C1-05.zip.**
3. Mail the zip file to iiitncompilers@gmail.com.

Write following Lex Programs (Input can be from “command line as string” or “file”)

Q1. Write a lex program to count no. of strings, having 't' as the second character.

Q2. Write a lex program to count the no. of strings having 'd' as the last character.

Q3. Write a lex program to count the no. of integers in the code.

Q4. Write a lex program to count the no. of strings with a special symbol as one of the characters.

Q5. Write a lex program to count the no. of identifiers in the input program.

Q6. Write a lex program to remove whitespaces & comments from the program.