Examination: Online 1            Session: Fall 2022

Year/Semester: 4/1              Course No: CSE4130

Course Title: Formal Languages and Compilers Lab

Mark: 10                        Time: 15 Minutes.

**SET 7**

Write a C program that will scan an input file (c source code) and find out how many arithmetic operations are done in that input program.

| Sample Input File | Sample Output |
|---|---|
| ```#include<stdio.h>``` <br> ```int add(int a, int b, int c){``` <br> ```    return a+b+c;``` <br> ```}``` <br> ```int main(){``` <br> ```    int a, b, c;``` <br> ```    scanf("%d%d%d",&a,&b,&c);``` <br> ```    int sum = add(a,b,c);``` <br> ```    if((sum%2) == 0)``` <br> ```        printf("sum %d is even");``` <br> ```    return 0;``` <br> ```}``` | No. of operations: 3 |