1. Write a C/C++ program using the following instructions (filename: ID.c/ ID.cpp):
   1. Read a file named “program.cpp” (given below).
   2. After reading file you have to **identify and count** the unique name of the user defined functions and name of the operators and print the result.

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| Input: Program.cpp |
| #include<iostream>  #include<string>  #define max 5  using namespace std;  int add(int x, int y){  return x+y;  }  int sub(int x, int y){  return x-y;  }  int main(){  int a=10, b=9, c=0;  cout<<"Hello";  c = a + b;  int d, e;  d = c - 10;  e = d \* 5 ;  a = add(b, c);  d = sub(a, 10);  return 0;  } |

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| Sample Output: |
| Function-1: add  Function-2: sub  Total number of the user defined function: 2  Operator-1: addition  Operator-2: subtraction  Operator-3: multiplication  Operator-4: assignment  Total number of the operators: 4 |

Program attachment sample (do not crop):







