

Ahsanullah University of Science and Technology

Department of Computer Science and Engineering

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 8

Write a C program that will scan an input file (c source code) and find out how many return types of functions are used in that input program.

Sample Input File	Sample Output						
<pre>#include<stdio.h> int add(int a, int b, int c){ return a+b+c; } void multiplication(int a, int b, int c){ printf("product : %d", a*b*c); } int main(){ int a, b, c; scanf("%d%d%d",&a,&b,&c); int sum = add(a,b,c); printf("sum : %d", sum); multiplication(a,b,c); return 0; }</pre>	<table><tr><td>Return type</td><td>Counts</td></tr><tr><td>Integer</td><td>2</td></tr><tr><td>Void</td><td>1</td></tr></table>	Return type	Counts	Integer	2	Void	1
Return type	Counts						
Integer	2						
Void	1						