



EAST WEST UNIVERSITY

Department of Computer Science and Engineering

B.Sc. in Computer Science and Engineering Program

Class Test I, Fall 2021

Course: CSE103 (Structured Programming), Section - 4
 Instructor: Taskeed Jabid
 Full Marks: 15
 Time: 25 Minutes

Note: There are Three questions, answer ALL of them.

In some question, you need to choose some input data. I expect that no input data set will be same with any other script.

1. Write a C program which can input two integers indicating age of father and son. Display the ratio of the age of those two. Also display ratio of those two after four years.
2. Write a C program which can input length of three sides of a triangle and display the type of the triangle i.e. Scalene Triangle. Isosceles Triangle. Equilateral Triangle
3. Read the following code carefully. Write down values of x and y for which the code will generate all possible different outputs [There are four possibilities: Hello, Welcome, HelloWelcome, No Output].

```
#include <stdio.h>
int main()
{
    int x,y;
    scanf ("%d%d", &x, &y) ;
    if (x>=0&&x<25)
    {
        printf ("Hello");
    }
    if (x%y==0)
    {
        printf ("Welcome");
    }
    return 0;
}
```