



Department of Computer Science

COMP 133 - Quiz 1

Student Name:

Student ID:

Answer only one of the following questions.

Q1) Write a program in C language to accept 2 numbers, the first number entered by the user and the second number defined as a constant user identifier name **CONST 0.17**, and compute all arithmetic operations (* / + - %) between the two numbers. The output should be round to 3 decimal points.

Example output :

Sum of 5.5 +0.17 = 5.670

Q2) Write a C program to find the total salary for an employee, the salary computed by calculating the following equation:

$$\text{Final_Salary} = \text{Basic} + \text{HRA} + \text{TA} + \text{Gratuity} - (\text{Basic} * \text{IncomeTax}) - (\text{Insurance} * \text{Basic})$$

Use the following variables :

Basic : enter by the user // 2000 for testing

HRA (House rent allowance) : enter by the user // 900 for testing

TA(Transport Allowance) : enter by the user //150 for testing

Number_of_years_service : enter by the user //10 for testing

Insurance: Constant user identifier : 0.07

IncomeTax : Constant user identifier : 0.17

DA (Dearness Allowance) : Constant user identifier : 0.18

$$\text{Gratuity} = (\text{Basic} * \text{DA}) * 15/26 * \text{Number_of_years_service}$$

$$2000+900+150+((2000*0.18)*(15/26)*10)-(2000*0.17)-(2000*0.07)= 4646.923$$