**Engr. Zakria Bacha Lab Task: 01**

**Question: 01**

Do the following operation in one line and print the solution on console output. But the output should be correct. (2.5 Marks)

i. 2x4+2/4

2x2%3

**ii.**

Evaluate the below statement.

Int a= 10, b=20, c = 30, d = 100;

Int final\_value = a = b=c=d;

Printf(“Value of a=%d b=%d c=%d d=%d”, a,b,c,d);

**Give the Reason of Output:**

**Question: 02 (5 Marks)**

You are working for a financial institution that offers vehicle loans to customers. Your task is to develop a C program that calculates the monthly installment for a vehicle on user input. The program should calculate and shows the monthly installment of the user on the console screen.

***Hint: Use float data for all variables.***

**Input Variables:**

* **Loan Amount:** User will input total amount of money borrowed for the vehicle.
* **Annual Interest Rate:** Calculate 10% of loan amount of the user.
* **Loan Term:** User will input the term of the loan in years.
* **Credit Score:** User will input the customer's credit score.

Now calculate the monthly installment by using the following formula.

Monthly Installment = Loan Amount x Annual Interest Rate

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1-(1+credit score) – Loan Term

Show Monthly installment of the user on console.

**Note: Result should not be negative number.**