

**Faculty of Engineering, University of Jaffna**

**Department of Computer Engineering**

**EC2010: Computer Programming**

**GUI Assignment**

Lecturer: Dr, J. Jananie

Instructors:

1. First, create a Visual Studio Project and name it GUI-RegNo, replacing the term RegNo with your RegNo.
2. Starting at the topmost line of the file, insert the following minimally required documentation, filling in your name, Reg\_No, the assignment number, due date and a brief description of what the program will do. You must select one of the two forms of certification of Authenticity. Submissions not including a certification of authenticity will not be graded.

// Your Name

// Your RegNo

// EC2010

//Group: [Insert the number]

// Lab: [Insert the number]

// Program Description: [insert brief description here]

// Certificate of Authenticity: (choose one from below)

// I certify that the code in the method function main of this project

// is entirely my own work.

(or)

// I certify that the code in method function main of this project is

// entirely my own work, but I received assistance from [insert name/book/lecture slides].

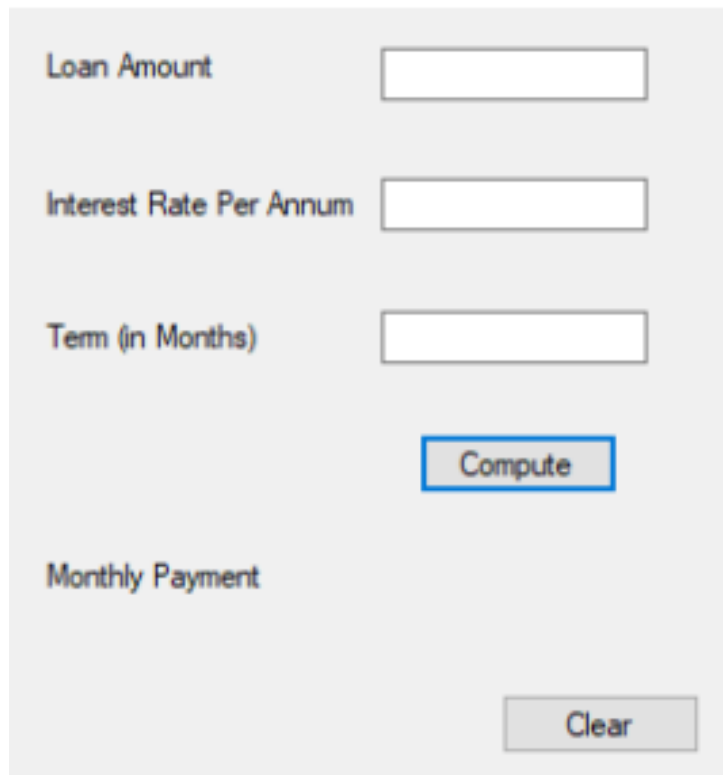
// Follow this with a description of the type of assistance.

3. Create a GUI to calculate the monthly payment for a loan taken from a reputed bank in an interest rate per annum. The loan amount and interest rate could be given according to your wish as well as the term to be covered by the loan (Time period to settle the loan). You may consider compound interest when calculating

$$\text{Monthly Payment} = \frac{\left( \frac{\text{interest rate}}{12 \text{ months}} \times \text{principal} \right)}{\left( 1 - \left( 1 + \frac{\text{interest rate}}{12 \text{ months}} \right)^{-(\text{number of months})} \right)}$$

**Note:-**

**Principal= Loan Amount**



Loan Amount

Interest Rate Per Annum

Term (in Months)

Monthly Payment

Create a zip file in a format of GUI-Regno-Coursecode including all your code folders.

Upload the zip file on/before given deadline via team.

Any plagiarized work will be given 0 marks.