Create GUI for loan calculater. With necessory fields.

```
from tkinter import *
class LoanCalculator:
 def __init__(self):
   window = Tk()
   window.title("Loan Calculator")
   Label(window, text = "Annual Interest Rate").grid(row = 1,
                    column = 1, sticky = W)
   Label(window, text = "Number of Years").grid(row = 2,
                  column = 1, sticky = W)
   Label(window, text = "Loan Amount").grid(row = 3,
                column = 1, sticky = W)
   Label(window, text = "Monthly Payment").grid(row = 4,
                  column = 1, sticky = W)
   Label(window, text = "Total Payment").grid(row = 5,
                  column = 1, sticky = W)
   self.annualInterestRateVar = StringVar()
   Entry(window, textvariable = self.annualInterestRateVar,
          justify = RIGHT).grid(row = 1, column = 2)
   self.numberOfYearsVar = StringVar()
   Entry(window, textvariable = self.numberOfYearsVar,
        justify = RIGHT).grid(row = 2, column = 2)
   self.loanAmountVar = StringVar()
   Entry(window, textvariable = self.loanAmountVar,
      justify = RIGHT).grid(row = 3, column = 2)
   self.monthlyPaymentVar = StringVar()
   lblMonthlyPayment = Label(window, textvariable =
            self.monthlyPaymentVar).grid(row = 4,
            column = 2, sticky = E)
    self.totalPaymentVar = StringVar()
   lblTotalPayment = Label(window, textvariable =
          self.totalPaymentVar).grid(row = 5,
          column = 2, sticky = E)
   btComputePayment = Button(window, text = "Compute Payment",
                command = self.computePayment).grid(
                row = 6, column = 2, sticky = E)
   window.mainloop()
 def computePayment(self):
   monthlyPayment = self.getMonthlyPayment(
   float(self.loanAmountVar.get()),
    float(self.annualInterestRateVar.get()) / 1200,
   int(self.numberOfYearsVar.get()))
    self.monthlyPaymentVar.set(format(monthlyPayment, '10.2f'))
    totalPayment = float(self.monthlyPaymentVar.get())* int(self.numberOfYearsVar.get())
```

```
self.totalPaymentVar.set(format(totalPayment, '10.2f'))

def getMonthlyPayment(self, loanAmount, monthlyInterestRate, numberOfYears):
    monthlyPayment = loanAmount * monthlyInterestRate / (1 - (1 / (1 + monthlyInterestRate)
    return (monthlyPayment)
    r = Tk()

LoanCalculator()
```