Lab 3 Brainstorm

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We are creating a program to calculate the time and amount values in paying off a loan. To do this we'll need to prompt the user for a few inputs:

- Principal (original amount of the loan)
  - → principalAmount
- Annual interest rate
  - → annualInterestRate
- Monthly payment (amount planned on paying company each month)
  - monthlyPayment

Once given these numbers, we can calculate the number of months needed to pay off the loan using the formula given.

This calculation will return a double value → monthsNeeded
We'll get the ceiling of that number to an int → monthsNeededCeiling
amountPaid = monthsNeededCeiling * monthlyPayment
interestPaid = amountPaid – principalAmount
overpayment = amountPaid – (monthsNeeded – monthlyPayment)