**The Pandemic had cast a shadow of uncertainty over businesses worldwide, severely impacting their ability to meet loan repayment obligations. With lockdowns, reduced consumer demand, and supply chain disruptions, many businesses have experienced a significant drop in revenue. As a result, meeting their financial commitments, including loan repayments, has become an uphill battle. Banks and financial institutions, understanding the dire circumstances, have implemented temporary relief programs and loan forbearance options.**

**Considering the pandemic situation, I have created a calculator that helps loan officers make interest discounts according to the rules. This task was sent to the IT team, but the team requested at least a week to create the app. I managed to create it in just one day using Excel. I chose Excel specifically because loan officers were familiar with it, making it easy for them to understand and use.**

Have to consider:

* Schedule 2 sums Frozen Interest and Current Loan Balance and makes a new Loan offer with an interest rate discount.
* The New Loan Monthly Payment cannot exceed the current loan payment amount. If you need to reduce the monthly payment, use Schedule 3.
* The total interest payments for the New Loan cannot exceed the current loan's total interest payment, up to a 5% discount.
* According to the start day, if the payment day falls on a weekend, the payment date will shift to the next workday, affecting both principal and interest payment amounts.
* In Schedule 3, you can reduce the monthly payment, freeze interest, or add a grace period for a maximum of three months.

I have added a restriction that allows loan officers to edit only the cells with green font.