

Brief Explanation of how the Mortgage Calculator works

What the panel looks like when running the Python program. All the inputs are on left side of the panel, and all the outputs will show up on the right side of the panel.

The screenshot shows a window titled "Mortgage Calculator". On the left side, there are four input fields: "Sales Price", "Down Payment Percentage", "Annual Interest Rate", and "Number of Years". On the right side, there are three output fields: "Loan Amount", "Monthly Payment", and "Total Payment". Below these, there are two more input fields: "Affordable Payment/mo." and "Loanable Amount". At the bottom right, there are two buttons: "Compute Payment" and "Compute Loan".

What the panel looks like after entering mortgage terms and hit "Compute Payment" button. It calculates the loan amount, monthly payment due, and total payment over the mortgage lifecycle.

The screenshot shows the same "Mortgage Calculator" window, but now the output fields on the right have been populated with calculated values. The "Loan Amount" is 400000.00, the "Monthly Payment" is 1909.66, and the "Total Payment" is 687477.60. The "Compute Payment" button is highlighted with a blue border. The input fields on the left remain the same.

What the panel looks like after entering the affordable monthly payment and hit "Compute Loan" button. It calculates the loanable amount by assuming the affordable payment a person can make monthly.

The screenshot shows the "Mortgage Calculator" window with the "Affordable Payment/mo." input field now containing the value 3000. The "Loanable Amount" output field on the right has been calculated as 628383.72. The "Compute Loan" button is highlighted with a blue border. The other input fields and the "Compute Payment" button remain the same as in the previous screenshot.