

Part 5: Using Conditionals

Exercise Instructions

This one should be nice and straightforward. What you have to do is check that all inputs are bigger than 0:

- if they are, then do the calculation (i.e. execute all code as is after the variable definitions)
- if they're not, then just print out an error to the user instead

Step 1: Update the Code

Only do the main logic of the program if the inputs are bigger than 0, otherwise print an error message to the user.

- After the variable definitions, put a conditional around the remaining code which ensures that it's executed only if:
 - the amount is bigger than 0 AND
 - the number of years is bigger than 0 AND
 - the interest rate is bigger than 0

(Hint: this will be an expression).

- Put in an alternate part to the conditional that, if the above condition isn't true, the statement `Invalid values - cannot calculate repayment amount.` is printed out (and then the program just ends there, with the calculation not being done of course).

Step 2: Run the Code

- Run the code and check the program does what you expect currently. (i.e. in the 'happy case' where you have the variables set to valid values, the program executes as it did before).
- Change some of the inputs to be negative values, re-run the program and check the program doesn't do the calculation and just prints the error message instead.

Don't forget to change the variables back to the good values they were at before you did the exercise too!