**Pseudocode**

1. Display Input Prompt to User

* Display a prompt asking the user to input the following information:
  + Initial Investment Amount
  + Monthly Deposit
  + Annual Interest Rate
  + Number of Years

2. Input Validation

* Ensure that the inputs for:
  + Initial Investment Amount
  + Monthly Deposit
  + Annual Interest Rate
  + Number of Years are all positive numbers.
  + If any of the inputs are invalid, display an error message and prompt the user again.

3. Calculate Values for Each Month and Year

* Define monthly interest rate:

**Monthly Interest Rate=Annual Interest Rate/12×100**

* Without Monthly Deposits:
  + For each year, calculate the balance and earned interest using the formula for compound interest:

**A=P(1+r/n)nt**

where:

* + A = future value (final balance)
  + P = principal (initial investment amount)
  + r = annual interest rate
  + n = number of times interest is compounded per year (12 for monthly compounding)
  + t = time in years

For each year:

* + Update the balance using the compound interest formula and print the year-end balance and earned interest.
* With Monthly Deposits:
  + For each month:
    - Add the monthly deposit to the balance.
    - Calculate the interest based on the new balance.
    - Update the balance and total interest.
  + Repeat this calculation for the number of years specified by the user.
  + After each year, print the year-end balance and earned interest.

4. Display Results

* After the calculations, display two reports:
  1. Balance and Interest Without Additional Monthly Deposits:
     + Display the year-end balance and interest for each year without monthly deposits.
  2. Balance and Interest With Additional Monthly Deposits:
     + Display the year-end balance and interest for each year with the monthly deposit.