

Exercise 2.5

(Objective 2.11)

Let us apply the software develop process into following problem. Describe what you get after completing system analysis and system design stage separately.

Write a program that reads in an investment amount, the annual interest rate, and the number of years, and then displays the future investment value using the following formula:

$$\text{futureInvestmentValue} = \text{investmentAmount} \times (1 + \text{monthlyInterestRate})^{\text{numberOfMonths}}$$

For example, if you enter the amount , an annual interest rate of , and the number of years as , the future investment value is .