**Exercise 2.5 - KEY**

(Objective 2.11)

**system analysis**

**input:** investment amount, the annual interest rate(percentage), and the number of years (int)

**output:** future investment value

Apply the formula to calculate future investment value

**system design**

**step 1:Ask user to input values** investment amount, the annual interest rate(percentage), and the number of years (int)

**step 2:Convert the annual interest rate from percentage to decimal, (by dividing 1200)**

**step 3:Convert the number of years to number of months, (by multiplying 12)**

**Step 3:Compute** futureInvestmentValue using the formula

**Step 4:Display** futureInvestmentValue