**Pseudocode**

# Pseudocode for Investment Calculator # Initialize global variables totalInvestmentAmount = 0 # Define the CalcInterest() module def CalcInterest(principal, rate, time): interest = principal \* rate \* time return interest # Define the displayTotalAmount() module def displayTotalAmount(totalAmount): print("The total investment amount over the specified period is: $", totalAmount) # Define the main() module def main(): # Get inputs from the user principal = input("Enter the principal amount: ") rate = input("Enter the interest rate: ") time = input("Enter the time period (in years): ") # Calculate the interest for each year and add to the total investment amount for i from 1 to time do interest = CalcInterest(principal, rate, i) totalInvestmentAmount = totalInvestmentAmount + (principal + interest) # Display the total investment amount displayTotalAmount(totalInvestmentAmount) # Call the main() module to run the program main()