

Solving Savitch Problem 2-8

Analyzing a Programming Task: Problem 8 in Chapter 2

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IS 130 Supplementary Materials

1

Loop:

- Calculate interest on current balance
- Increase balance by current interest
- Reduce balance by current payment
- Increase number of months by one
- Compute total interest paid
- Continue looping until balance is less than payment
- Show user
 - the number of months required and
 - Total interest paid

2

Pseudocode

- Declare and initialize variables
 - Const Double balance = 1000.0
 - Const Double interest_rate = 0.15
 - Double Monthly_payment = 0.0
 - Int Months = 0
 - Double Interest_for_current_month = 0.0
 - Double balance = 0.0
 - Double Total_interest-paid = 0.0
- NOW CHECK TO SEE THAT YOUR PSEUDOCODE IS COMPLETE AND CORRECT

3

Write your code

- Check to see that you are representing all the details of the pseudocode
- Check the syntax and form using guidelines from Profs Kabay and Ronner

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