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CS 210

Pseudocode

WHILE true

DISPLAY home screen to get input

INPUT initial investment amount

WHILE initial investment amount not a double

DISPLAY "Invalid Input! Please input a numerical value."

INPUT initial investment amount

ENDWHILE

IF initial investment amount less than zero

DISPLAY "Cannot compute with negative value."

CLEAR screen

BREAK

ENDIF

INPUT monthly deposit

WHILE monthly deposit not a double

DISPLAY "Invalid Input! Please input a numerical value."

INPUT monthly deposit

ENDWHILE

IF monthly deposit less than zero

DISPLAY "Cannot compute with negative value."

CLEAR screen

BREAK

ENDIF

INPUT annual interest (compounded)

WHILE annual interest not a double

    DISPLAY "Invalid Input! Please input a numerical value."

    INPUT annual interest

ENDWHILE

IF annual interest less than zero

    DISPLAY "Cannot compute with negative value."

    CLEAR screen

    BREAK

ENDIF

INPUT number of years

WHILE number of years not a integer

       DISPLAY "Invalid Input! Please input a numerical value."

       INPUT number of years

ENDWHILE

IF number of years less than or equal to zero

       DISPLAY "Cannot compute with negative value."

       CLEAR screen

       BREAK

ENDIF

INPUT any key to continue

IF key to continue THEN

       CALCULATE year-end balance for each year with no additional monthly

       payments

CALCULATE year-end earned interest for each year with no additional monthly payments

CALCULATE year-end balance for each year with additional monthly payments

CALCULATE year-end earned interest for each year with additional monthly payments

DISPLAY static report with year-end balances and year-end interest if no additional monthly deposits are made

DISPLAY static report with year-end balances and year-end interest based on monthly deposit value from input by the user

ENDIF

INPUT if user wants to run another report or exit

IF yes THEN

CONTINUE

ELSE

END program

ENDIF

ENDWHILE