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2/11/2024

CS210

Professor Chan

Project 2 Pseudocode

WHILE true

DISPLAY home 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 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 is not an 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 program

IF yes THEN

CONTINUE

ELSE

END program

ENDIF

ENDWHILE