5-3 Project Two: Pseudocode

Kurtis Hiles

Southern New Hampshire University

CS-210

Brian Morgan

February 9, 2025

5-3 Project Two: Pseudocode

Pseudocode

WHILE true

DISPLAY home screen for input

INPUT initial investment amount

WHILE initial investment amount not a double

DISPLAY “Invalid Input! Please input a numerical value.”

INPUT initial investment amount

END WHILE

IF initial investment amount less than zero

DISPLAY “Cannot compute with negative value.”

CLEAR screen

BREAK

END IF

INPUT monthly deposit

WHILE monthly deposit not a double

DISPLAY “Invalid Input! Please input a numerical value.”

INPUT monthly deposit

END WHILE

IF monthly deposit less than zero

DISPLAY “Cannot compute with negative value.”

CLEAR screen

BREAK

END IF

INPUT annual interest

WHILE annual interest not a double

DISPLAY “Invalid Input! Please input a numerical value.”

INPUT annual interest

END WHILE

IF annual interest less than zero

DISPLAY “Cannot compute with negative value.”

CLEAR screen

BREAK

END IF

INPUT number of years

WHILE number of years not an integer

DISPLAY “Invalid Input! Please input a numerical value.”

INPUT number of years

END WHILE

IF number of years less than or equal to zero

DISPLAY “Cannot compute with negative value.”

CLEAR screen

BREAK

END IF

INPUT any key to continue

IF key to continue THEN

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

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

CALCULATE year-end balance for each year with monthly payments

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

DISPLAY static report with balances and interest based without deposits

DISPLAY static report with balances and interest based on deposits from input

END IF

INPUT if user wants to run another report or exit

IF yes THEN

CONTINUE

ELSE

END program

END IF

END WHILE