function runBankApp();

collect Initial Investment Amount from user

collect Monthly Deposit from user

collect Annual Interest from user

collect Number of years from user

display formatted user inputs

pause for user to press a key to continue

IF Monthly Deposit Amount is 0

Display balance and interest without additional monthly deposits

ELSE

Display balance and interest with additional monthly deposits

ENDIF

set precision of displayed data to reflect 2 decimal places

set interest to annual interest

WHILE current month is less than 1 more than the last month

calculate interest according to the given formula

calculate the sum of the deposits, interest, and previous total

display calculations

add 1 to current month

ENDWHILE