Pseudo Code for Airgead Banking Application

Header File

* I will start with my header file
* Make data required private: investment, monthly deposits, interest rate, years
* Create public methods and functions
* Make your object named Savings that will have the above-mentioned names
* Create function named noMonthlyDepoit
* Create the other methods named withMonthlyDeposit and formatTable
* End my header file

Savings file

* Next step is to attach my Savings file to my header
* I am going to need to start with the constructor of my Object
* Then my Destructor
* Next I will create my printTable method
* Add in formatting to help apply displayed data in easily readable way
* Next Step I will make my withMonthlyDeposit method
* Make statement that shows its with monthly deposit
* Run the formatTable method
* Next make place holder data types
* Make a while loop that will iterate until it reaches desired number of years
* Make another while loop that will add the Months end balance to the Monthly Deposit
* And multiply months end balance to interest rate and make that a monthly interest data type
* Add together monthly interest and interest earned as well as month end balance and monthly interest.
* Next add month until it completes a year at 12 then finish that inner loop
* In the outer loop have one of the place holder data types year end balance equal month end balance.
* Last step is to align results to the formatted data in the format table method
* Add a year until it reaches max desired years
* Now for the noMonthlyDeposit function
* Have an out statement that tells user its outputting without deposit
* Run the format table method
* Create place holder data types
* Create while loop to stop until current year equals desired number of years
* Calculate interest, year end balance will multiply by interest rate
* Add year end balance to interest earned
* Output results to align with formatted table
* Add a year at end of loop until desired year reaches its end.

Main File

* Now for my main file
* Inside I will attach my header file
* Next I will make a while loop that will continue until stopped.
* Inside while loop I will make place holder data types that will be initialized
* I will show an out statement that will display what will be asked of the user
* Next It will show the heading of the out statement but it will now ask for the data in increments
* After all gathered data is stored in place holder check for user input error with try catch block
* Next attach object to the placeholder data
* Run my noMonthlyDeposit function
* Check if monthly deposit is empty or not
* Next run my with Monthly Deposit
* Finally I will run another try catch block to determine if the user wants to continue or not
* If yes then it runs the while loop again
* If no then the programs ends with a return code of 0