Logan Parker

Project 2 Psudocode

06/04/2021

Class Account:  
 double balance

double monthlyDeposit

double interestRate

int numYears

getbalance()

setbalance()

getMonthlyDeposit()

setMonthlyDepsit()

getInterestRate()

setInterestRate()

getNumYears()

setNumYears():

numMonths = numYears \* 12

stepOneYear ():

interest = calculateInterest()

balance = balance + (deposit \* 12) + interest

numYears++

calculateInterest():

return (balance + monthlyDeposit) \* ((interestRate / 100) / 12)

printBalanceAndInterestByYear():

for(i=0;1<numYears;i++):

interest = calculateInterest()

stepOneYear ()

print( I + 1 , balance, interest)

cleanInput(string){

if (string is bad)

throw exception

return double

}

mainloop() {

accountWithDeposit = Account()

accountWithoutDeposit = Account()

print("data input")

print(…)

accountWithDeposit.setBalance(input)

accountWithoutDeposit.setBalance(input)

accountWithDeposit.setMonthlyDeposit(input)

accountWithoutDeposit. setMonthlyDeposit(0)

…

wait for user key press …

print("Balance and interes…")

print("year Year End Balance …)

…

AccountWithDeposit. printBalanceAndInterestByYear()

Print("\n\n\n")

print("Balance and interes…")

print("year Year End Balance …)

AccountWithoutDeposit. printBalanceAndInterestByYear()

}

main():

while( input != quit){

mainloop()

input = user input;

print ("thanks")