Algorithm for an atm machine

Function Main

Output "welcome plese enter your card"

Declare String name

Output "enter your name"

Input name

Declare Integer accno

Output "enter your accno"

Input accno

Declare Real currentbalance

Output "enter your current balance"

Input currentbalance

Declare Integer pin

Output "enter yuor pin"

Input pin

Declare Integer usernumber

Output "press 1 to withdraw"

Output "press 2 to deposit"

Output "press 3 to change your pin"

Output "press 4 to check balance"

Input usernumber

If usernumber=1

Declare Integer withdrawelamount

Output "enter the amount to withdraw"

Input withdrawelamount

Declare Integer pin2

Output "enter your pin"

Input pin2

If pin=pin2

Declare Integer balance

If balance<500

... if your balance is less than 500 you not be able to withdraw

Output "your balance is"& currentbalance-withdrawelamount

Output "currently your balance is less than 500 so that you cannot withdraw the money"

Else

Assign balance = currentbalance-withdrawelamount

... your balance after withdrawel

Output "your balance is"&balance

End

Else

Output "sorry your pin is incorrect"

End

Else

If usernumber=2

Declare Real depositamount

Output "enter the amount to deposit"

Input depositamount

Assign balance = currentbalance+depositamount

Output "your balance is"&balance

Else

If usernumber=3

Declare Integer pin2

Output "please enter your pin"

Input pin2

If pin=pin2

Output "please enter your new pin"

Else

Output "your pin is incorrect"

Output "you can contact the bank manager to change the pin using otp"

End

Else

If usernumber=4

Output "your balance is"&currentbalance

End

End

End

End

End