ALGORITHM FOR ATM INTERFACE

Function Main

Output "WELCOME TO IOB BANK"

Output "PLEASE INSERT YOUR CARD"

Declare Integer balance

Output "ENTER YOUR BALANCE"

Input balance

Output "CHOOSE YOUR PURPOSE"

Output "1.WITHDRAWAL"

Output "2.DEPOSIT"

Output "3.CHECKING BALANCE"

Output "4.RESETPIN"

Declare Integer userchoice

Input userchoice

If userchoice==1

Declare String accountno

Declare String name

Declare Integer pin1, pin2, resetpin, withdrawal, deposit, checkdeposit

Declare Integer withdrawalamount

... Reading values for the above parameters

...

Output "Enter your account number"

Input accountno

Output "Enter your name="

Input name

Output "Enter your pin"

Input pin1

... checking if balance is greater than 500rs

...

If balance>=500

... if true cross verify with the pin number

Output "Enter your pin for verification"

Input pin2

... check if the pin matches

If pin1==pin2

Output "Amount you want to withdraw"

Input withdrawalamount

If withdrawalamount>balance

Output "Your withdrawal amount should be less than balance"

Else

Output "Your transaction is being processed"

Declare Integer amountleft

Assign amountleft = balance-withdrawalamount

If amountleft<500

Output "Your account balance is less than 500 after transaction.Please deposit "

End

Output "Total balance in your account is="&amountleft

End

Else

Output "Please verify your pin"

End

Else

... if false stop the transaction

Output "Amount is less than minimum balance.Please deposit money for future withdrawal"

End

Else

If userchoice==2

Declare String name

Declare Integer accountno, depositamt

Output "Enter your name"

Input name

Output "Enter your accountno"

Input accountno

Output "Please enter the amount you wanted to deposit"

Input depositamt

Output "Your amount is depsoited"

Else

If userchoice==3

Declare String name

Declare Integer acoountno, pin

Output "Enter your pin"

Input pin

Output "Your balance anmount is="&balance

Else

If userchoice==4

Declare String name

Declare Integer accountno, oldpin, newpin

Output "Enter your name"

Input name

Output "Enter your accountno"

Input accountno

Output "Enter your oldpin"

Input oldpin

Output "Enter new pin"

Input newpin

Output "Your new pin has been updated"

End

End

End

End

End