ATM MACHINE ALGORITHM

Function Main

... This program gets your name, account number, amount of money in the account and pin. It checks if the balnce in the account is greater than 500. It then checks if account number and pin match. If it does, it lets the user withdraw the account. The balance in the acct is also calculated and checks if it satisfies the minimum balance criteria of Rs.500.//

Output "Welcome to the ATM Machine. Press 1 if you want to withdraw money. Press 2 if you wnt to deposit money. press 3 if you want to check balance. Press 4 if you want change your pin"

Declare String name

Declare Integer acctno1, pin1, balance1, withdraw, pin2, acctno2, balanceamt, deposit, option

Output "Please enter your name"

Input name

Output "Account creation, please enter your account number"

Input acctno1

Output "Enter the pin you want to create"

Input pin1

Output "Please enter the balance money in your account"

Input balance1

Declare Integer options

If option=1

... Checks if the amount of money in the account is greater than 500

If balance1>500

Output "Please enter how much you'd like to withdraw"

Input withdraw

... checks if the amount of money in the account is greater than the amount of money that wants to be withdrawn

If withdraw<balance1

Output "You have enough balance, Please enter your account number"

Input acctno2

If acctno1=acctno2

... checks if the acct number given initially is equal to the acct number entered

Output "please enter your pin number"

Input pin2

... Checks if the pin numbers match

If pin1=pin2

Output "you can withdraw the amount"

... calculates the balance amt in the cct, after withdrawl

Assign balanceamt = balance1-withdraw

... checks if the balance amt in the account after withdrawl is greater tham 500

If balanceamt>500

Output "The cash remaining in your account is" &balanceamt&"You have enough minimum balance.It is more than Rs.500"

Else

Output "The cash remaining in your account is" &balanceamt&"You dont have enough balance in your account. Please put money in your account to avoid penalty charges"

End

Else

Output "sorry, the pin was incorrect,you cant withdaw the amount"

End

Else

Output "sorry, your account number doesnt match"

End

Else

Output "sorry, you're withdraawing more than the balance you have in your account"

End

Else

Output "Sorry, your balance is lesser than 500"

End

Else

If option=2

Output "enter the amount of money you want to deposit"

Input deposit

Output "Your money has been deposited"

Else

If option=3

Assign balanceamt = balance1-withdraw

Output "balance amounnt is" &balanceamt

Else

If option=4

Output "enter your previous pin"

Input pin2

If pin1=pin2

Output "you can change ur pin, enter your new pin"

Input pin2

Output "your pin has been changed"

Else

Output "incorrect pin, cant be changed"

End

Else

Output "incorrect option entered"

End

End

End

End

End