ATM PROJECT IN PYTHON

CODING:

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class atm:
    def __init__(self,atmno,pin,balance):
        self.atmno = atmno
        self.pin = pin
        self.balance=balance
    def withdraw(self):
        try:
            print(" u selected a withdraw option")
            withdraw_amount=int(input("enter the amount too withdraw:"))
            balance=1000000
            if withdraw_amount<=balance and withdraw_amount>=0 :
                print("***withdraw is successful*** \n \t take u r cash")
                balanceamount =balance-withdraw_amount
                print(f"balance amount after withdrawl is {balanceamount}")
                ch=int(input("\n \n do u want to continue (0-continue/1- exit)"))
                if ch==0:
                    menu()
                else:
                    print("thank u")
            else:
                print("no fund \t **** enter a valid amount")
                obj.withdraw()
        except:
            obj.withdraw()
    def change_pin(self):
        print(" u selected a change pin")
        newpin=input("enter a new pin of length 4::")
        y=str(newpin)
        if len(y)==4:
            npin=int(y)
            temp=self.pin
            npin=self.pin
            npin=temp
            print("pin is sucessfuly changed")
        else:
            print("enter a new pin of 4 digit")
            obj.change_pin()
    def balancee(self):
        print(f" account balance {balance}")
        ch=int(input("\n \n do u want to continue (0-continue\1-exit)"))
        if ch==0:
            menu()
        else:
            print("thank u")
    def odeposit(self):
        print("*place a money in the atm in the multiple of 100,200,500,2000*")
        damount=int(input("enter a amount to deposit:"))
        if damount>0:
            print("cash as been verified")
            print("*****amount deposited sucessfully****")
            totalamount=damount+balance
            print(f"balance after deposit is {totalamount}")
            ch=int(input("\n \n do u want to continue (0\1)"))
            if ch==0:
                menu()
            else:
                print("thank u")
        else:
            print("enter a valid amount")
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            obj.odeposit()
        def aadeposit(self):
            deacctno=int(input("enter the 12 digit account no u want deposit:"))
            y=str(deacctno)
            if len(y)==12:
                dacctno=int(y)
                ddeacctno=int(input("reenter the  accountno u want deposit:"))
                z=str(ddeacctno)
                if len(z)==12:
                    ddacctno=int(z)
                    if deacctno==ddeacctno:
                        dname="sanjay"
                        print(f"{dname}")
                        print("place a money in the atm in the multiple of 100,200,500,2000")
                        adamount=int(input("enter a amount to deposit"))
                        if adamount>0:
                            print("cash as been verified")
                            print("***amount deposited sucessfully**")
                            ch=int(input("\n \n do u want to continue (0\1)"))
                            if ch==0:
                                menu()
                            else:
                                print("thank u")
                else:
                        print("enter a valid accountno:")
                        obj.aadeposit()
            else:
                print("enter a valid accountno:")
                obj.aadeposit()
        def deposit(self):
            print("1.own account deposit(enter 0) \n 2.for another account deposit(enter 1)")
            dop=int(input("\n enter u r option:"))
            if dop==0:
                obj.odeposit()
            else:
                obj.aadeposit()
        def cldeposit(self):
            dacctno=int(input("enter the 12 digit account no u want deposit"))
            ddacctno=int(input("reenter the accountno"))
            if dacctno==ddacctno:
                dname="sanjay"
                print(f,"{dname}")
                print("place a money in the atm in the multiple of 100,200,500,2000")
                adamount=int(input("enter a amount to deposit"))
                if adamount>0:
                    print("cash as been verified")
                    print("***amount deposited sucessfully**")
                    ch=int(input("\n \n do u want to continue (0\1)"))
                    if ch==0:
                        menu()
                    else:
                        print("thank u")
                else:
                    print("enter a valid accountno:")
                    obj.cldeposit()
    def menu():
        print("****welcome to ABC atm*****")
        print("1.if u have a atm card (enter 1 )\n2.cardless deposit(enter 0)\n  ")
        en=int(input("enter u option:"))
        if en==1:
            atmnum=int(input("enter u r card no:"))
            dbatmno=12345678
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    if atmnum==dbatmno:
        upin=int(input("enter u r pin:"))
        dbpin=1234
        balance=2000000
        if upin==dbpin:
            obj=atm(atmnum,upin,balance)
            print("<<<<valid pin>>>> \n *****TRANSACTION OPTIONS****")
            print(" ->1.withdraw \n ->2.deposit \n ->3.change pin \n ->4.balance enquiry\n 5.exit ")
            uop=int(input("\n enter u r option:"))
            if uop==1:
                obj.withdraw()
            elif uop==2:
                obj.deposit()
            elif uop==3:
                obj.change_pin()
            elif uop==4:
                obj.balancee()
            else:
                print("enter a valid option \n **again run the program**")
        else:
            print("****incorrect pin*** \n  enter a valid pin")
            print("please again run the program")
    else:
        print("invalid atmno \n enter a 12 digit atmno: ")
        print("please again run the program")
menu()
```