**Python Project Documentation**

import pymysql as p

import random as r

def connect():

    return p.connect(host="localhost", user="root",password="Gaurav.2001@#",database='bankmanagement',port=3306)

AccountNum=r.randint(1000000,2000000)

while True:

    #print Heading

    print("\*"\*115)

    print(" "\*45,end="")

    print("|| Wellcome to ATM ||")

    print("\*"\*115)

    con=connect()

    cu=con.cursor()

    try:

        choice=int(input(" 1->Open Account\n 2->Cash Deposit\n 3->Cash Withdrawal\n 4->Account Statement\n 5->Update Account\n 6->Delete Account\n 7->Exit\n Enter Your Choice: "))

    except ValueError:

        print("Enter valid number..!!")

        pass

    if choice == 1:

        # create account

        print("="\*115)

        name=input("Enter Full Name of Account Holder: ")

        mob=input("Enter Registered Mobile Number: ")

        balance=int(input("Enter opening balance: "))

        pin=int(input("Enter 4 Digits Sequrity PIN: "))

        query = "Insert into atm values({},'{}','{}',{},{})".format(AccountNum,name,mob,balance,pin)

        cu.execute(query)

        con.commit()

        print(" Account created successfully..!\n Your Account Number is {}".format(AccountNum))

        print("="\*115)

    elif choice == 2:

        # Debit amount

        account = int(input("Enter youre AccountNumber: "))

        pin = int(input("Enter security PIN: "))

        query = "select \* from atm where SecurityPin={}".format(pin)

        cu.execute(query)

        data=cu.fetchone()

        try:

            if pin == data[4]:

                amount=int(input("How much amount would you like to deposit: "))

                temp\_amount=data[3]+amount

                query = "update atm set balance={} where SecurityPin={}".format(temp\_amount,pin)

                cu.execute(query)

                con.commit()

                con.close()

                print(" Deposit successfully..!! \n Your Account Balance is:{}".format(temp\_amount) )

        except:

            print("Invalid Entry!!!")

    elif choice == 3:

        # withdraw amount

        account = int(input("Enter youre AccountNumber: "))

        pin = int(input("Enter security PIN: "))

        query = "select \* from atm where SecurityPin={}".format(pin)

        cu.execute(query)

        data=cu.fetchone()

        try:

            if pin == data[4]:

                amount=int(input("How much amount would you like to withdraw : "))

                if data[3]>=amount:

                    temp\_amount=data[3]-amount

                    query = "update atm set balance={} where SecurityPin={}".format(temp\_amount,pin)

                    cu.execute(query)

                    con.commit()

                    con.close()

                    print("withdrawal successfully..!!\n Your Account Blanace is: {}".format(temp\_amount))

                else:

                    print("You have insufficient balance..!!!")

        except:

                print("Invalid Entry!!!")

    elif choice == 4:

        # Account Satatments

        print("="\*115)

        mob = input("Enter Registered Mobile Number: ")

        pin=int(input("Enter Security PIN: "))

        query = "Select \* from atm where SecurityPin={}".format(pin)

        cu.execute(query)

        data=cu.fetchone()

        # print(data)

        try:

            if pin == data[4]:

                print("="\*115)

                print("Account Details are: ")

                print("Account Number: ",data[0])

                print("Name: ",data[1])

                print("Mobile Number: ",data[2])

                print("Balance: ",data[3])

                print("="\*115)

        except:

                # raise TypeError("Account Not Found..!!")

                print("Account not found")

                print("="\*115)

    elif choice == 5:

        account=input("Enter Account Number you want to update:")

        query="Select \* from atm where AccountNumber={}".format(account)

        cu.execute(query)

        data=cu.fetchone()

        if data==None:

            print("Record Not Found")

        else:

            print("Account Number:",data[0])

            print("1]Name:",data[1])

            print("2]Mobile Number:",data[2])

            print("3]Exit:")

            ch=int(input("Enter your choice:"))

            if ch==1:

                new\_n=input("Enter New Name:")

                # temp\_variable="fullName='{}'".format(new\_n)

                qu="update atm set FullName='{}' where AccountNumber={}".format(new\_n,account)

                # print(qu)

                cu.execute(qu)

                con.commit()

                print("Record updated")

                print("{} Changed to {}".format(data[1],new\_n))

            elif ch==2:

                new\_m=input("Enter New Mobile Number:")

                # temp\_variable="mobileNumber={}".format(new\_m)

                qu="update atm set MobileNumber='{}' where AccountNumber={}".format(new\_m,account)

                cu.execute(qu)

                con.commit()

                print("Record Updated")

                print("{} Changed to {}".format(data[2],new\_m))

            elif ch==3:

                print("Exit")

            else:

                print("Invalid choice")

    elif choice == 6:

        account = int(input("Enter your Account Number: "))

        pin = int(input("Enter your PIN: "))

        query1 = "select \* from atm where SecurityPin={}".format(pin)

        cu.execute(query1)

        data = cu.fetchone()

        query2 = "delete from atm where SecurityPin={}".format(pin)

        cu.execute(query2)

        con.commit()

        print("Account will deleted successfully..!!")

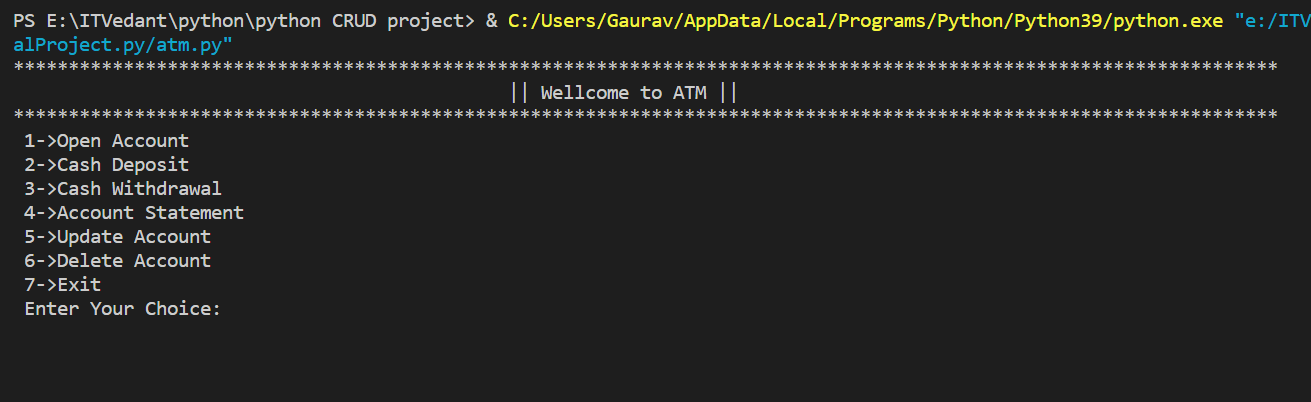
    elif choice == 7:

        break

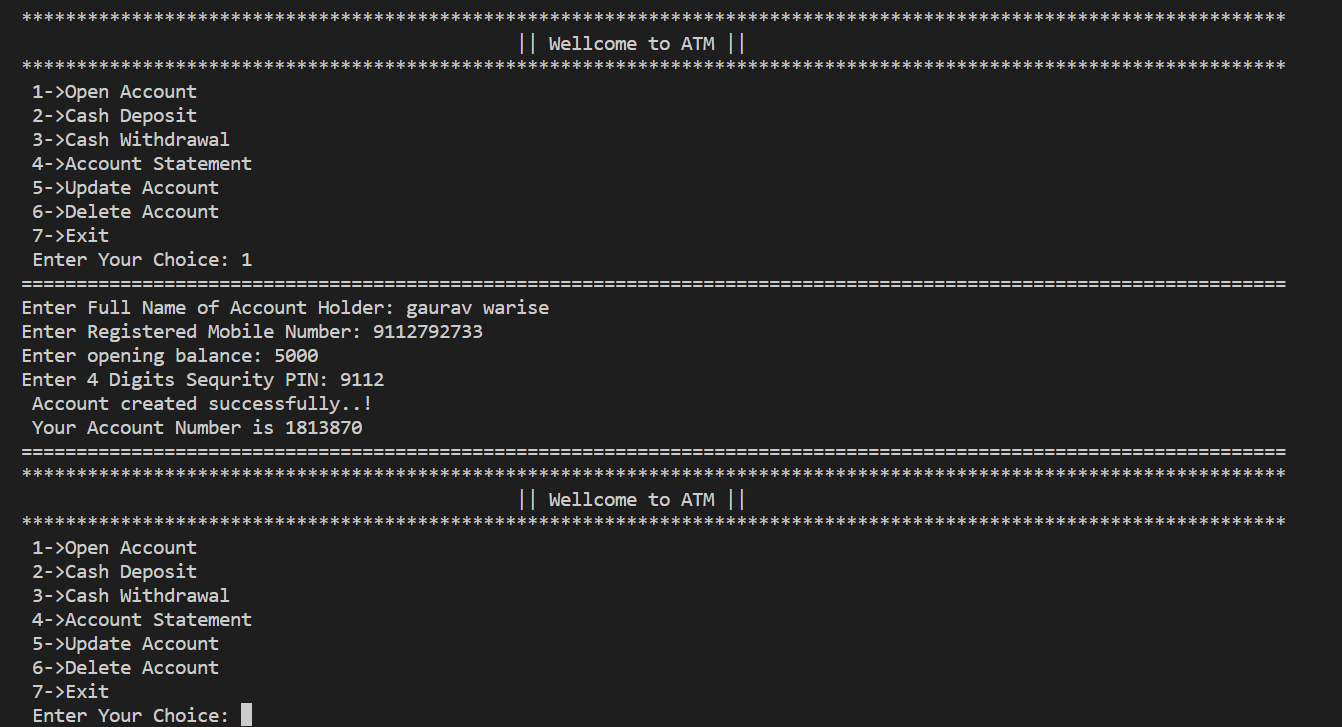
    else:

        print("Invalid Choice")

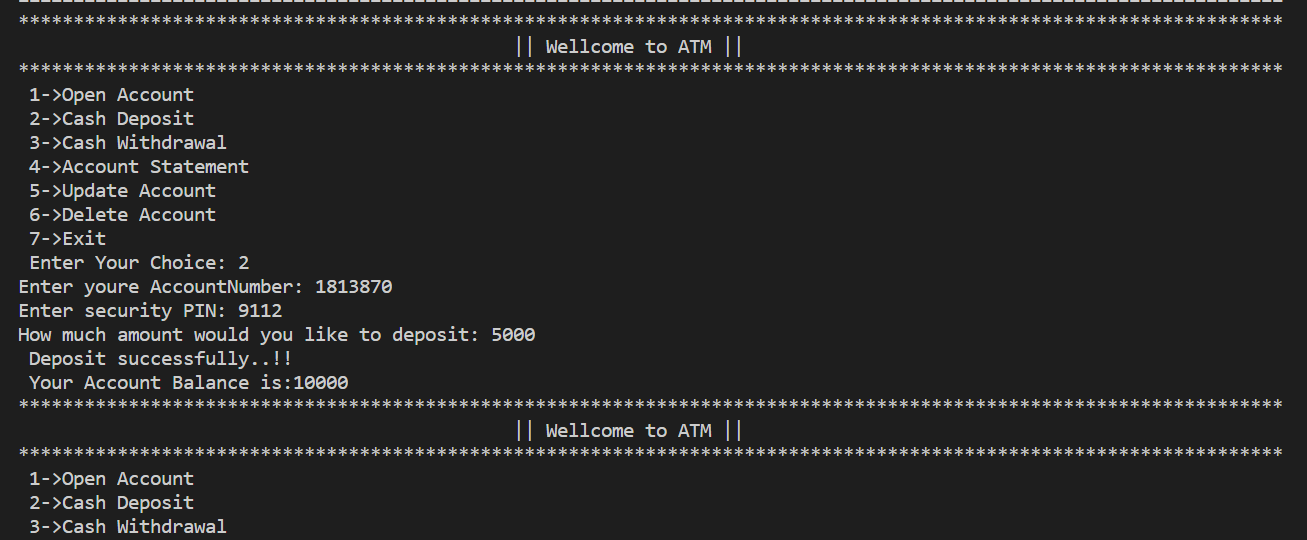
Output:

Menu 

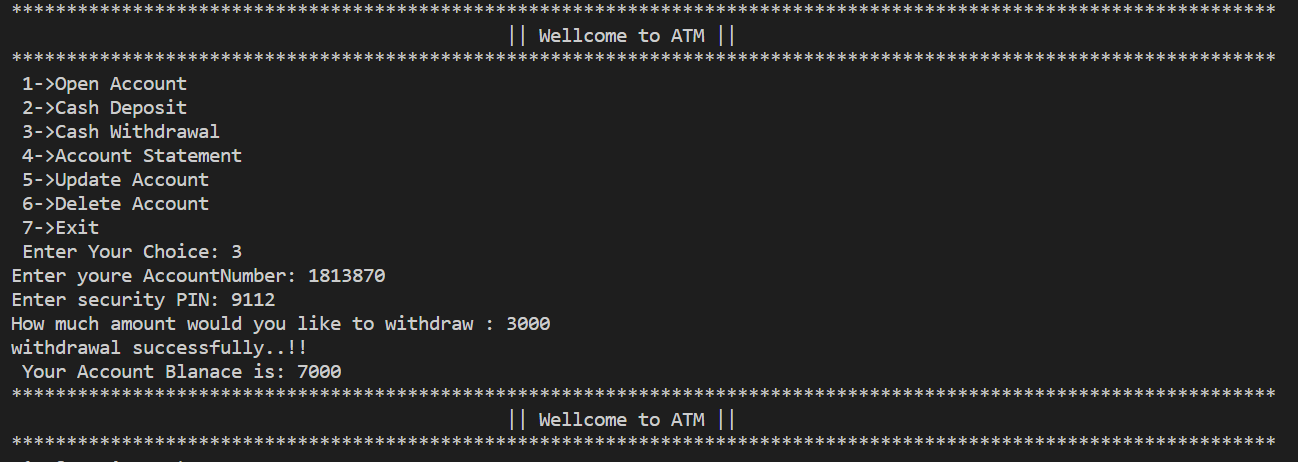
1] Open Account:



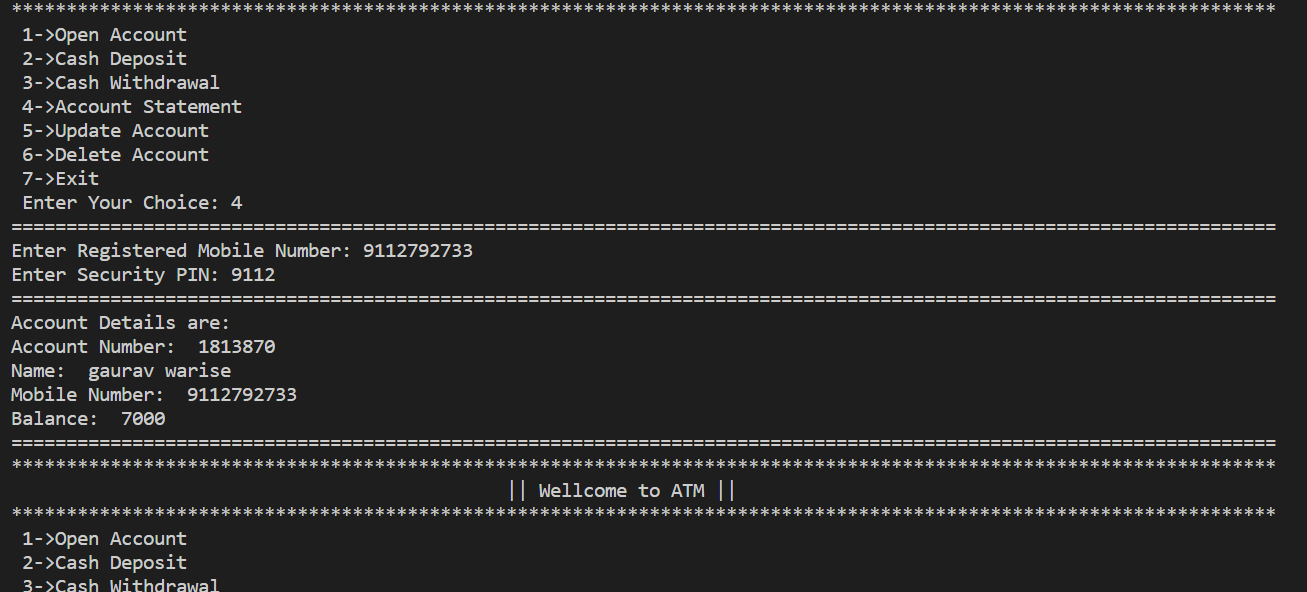
2] Debit:



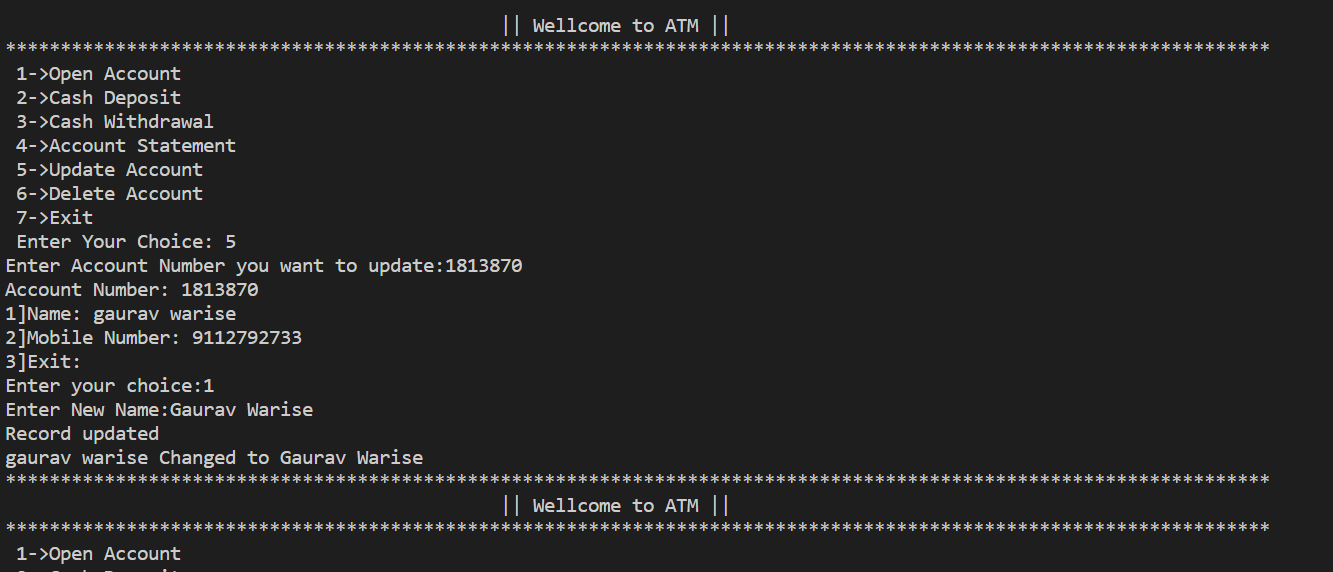
3] Withdraw:



4] Account Statements:



5] Update Account:



6] Delete Account:

