LPU

LOVELY PROFESSIONAL UNIVERSITY

INT-108 PYTHON PROGRAMMING

GROUP MEMEBERS :

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TASK

Project 23:

You task is to replicate the working of ATM for a single user, let's say, Mr. John, who has already successfully logged into her account on the ATM Machine, now, we will program the next steps he may want to perform.

Like display his name and cash available in his savings account

Withdraw cash and display the status of the cash balance.

Deposit cash and display the status of the cash balance.

(Your task is to design and implement the ATM functionality by taking care of all constraints, for example if minimum cash available is less than 5000 then system will display low balance)

INPUT:

```python
accounts = ["john", "chandler", "ross", "monica", "rachel", "phoebe"]
pin = ["1089", "3374", "1477", "5678", "4534", "9030"]
balance = [34500, 88000, 4000, 14000, 200000, 76000]

print("WELCOME TO F.R.I.E.N.D.S ATM")
name = input("Enter your name: ")
name = name.lower()
pinI = input("Enter your pin: ")
if name in accounts and pinI in pin:
    s = accounts.index(name)
    if s == pin.index(pinI):
        print("How may i help you?")
        print("1) Cash Deposit\n2) Cash Withdrawal\n3) Check balance")
        help = int(input("Enter the digit of your option: "))
        b = balance[s]
        if help == 1:
            deposit = int(input("Enter the amount of deposit: "))
            b = b + deposit
            print("Your money has been successfully deposited", name)
            print("your account balance is", b)
        elif help == 2:
            amount = int(input("Enter the amount of withdrawal: "))
            if amount > b:
                print("SORRY! INSUFFICIENT BALANCE")
                print("Your account balance is", b)
            else:
                b = b - amount
                print("Please collect the amount", name)
                print("Your account balance is", b)
        elif help == 3:
            print("Your account balance is", b)
        else:
            print("invalid option !")
    else:
        print("Invalid pin! Enter the right one!")

else:
    print("SORRY ! INVALID INFORMATION ")
    print("You do not have an account in the F.R.I.E.N.D.S bank")
```

OUTPUT:

WELCOME TO F.R.I.E.N.D.S ATM

Enter your name: john

Enter your pin: 1089

How may i help you?

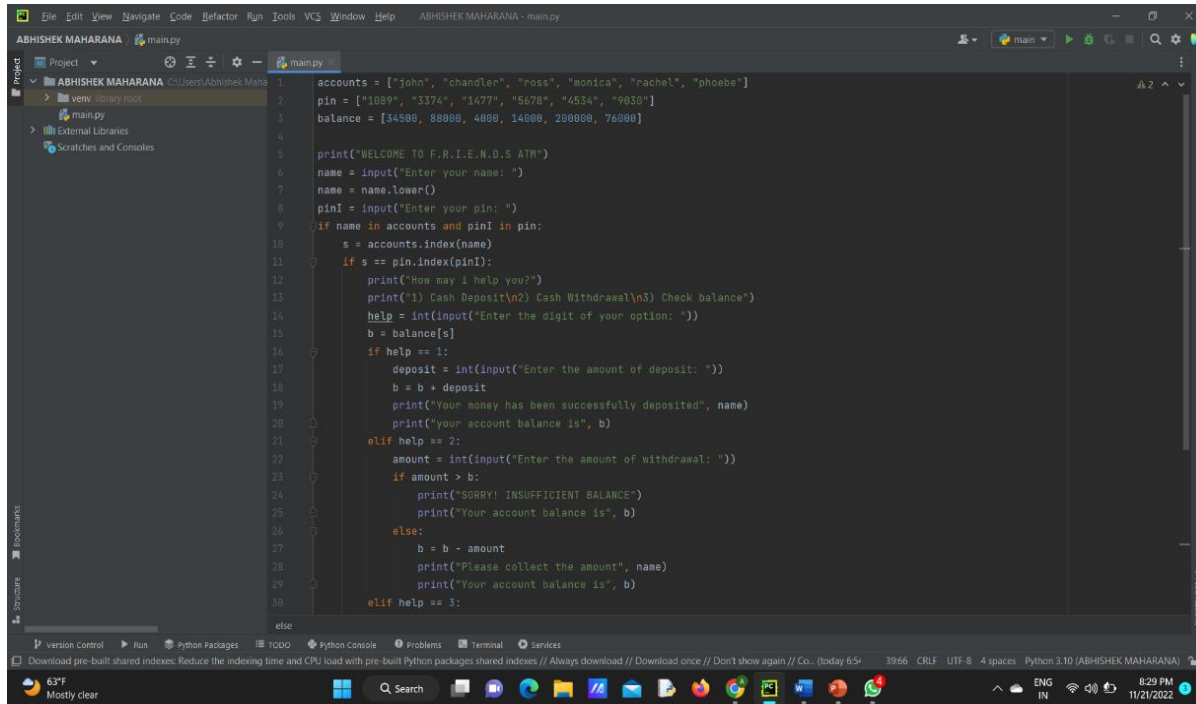1) Cash Deposit

2) Cash Withdrawal

3) Check balance

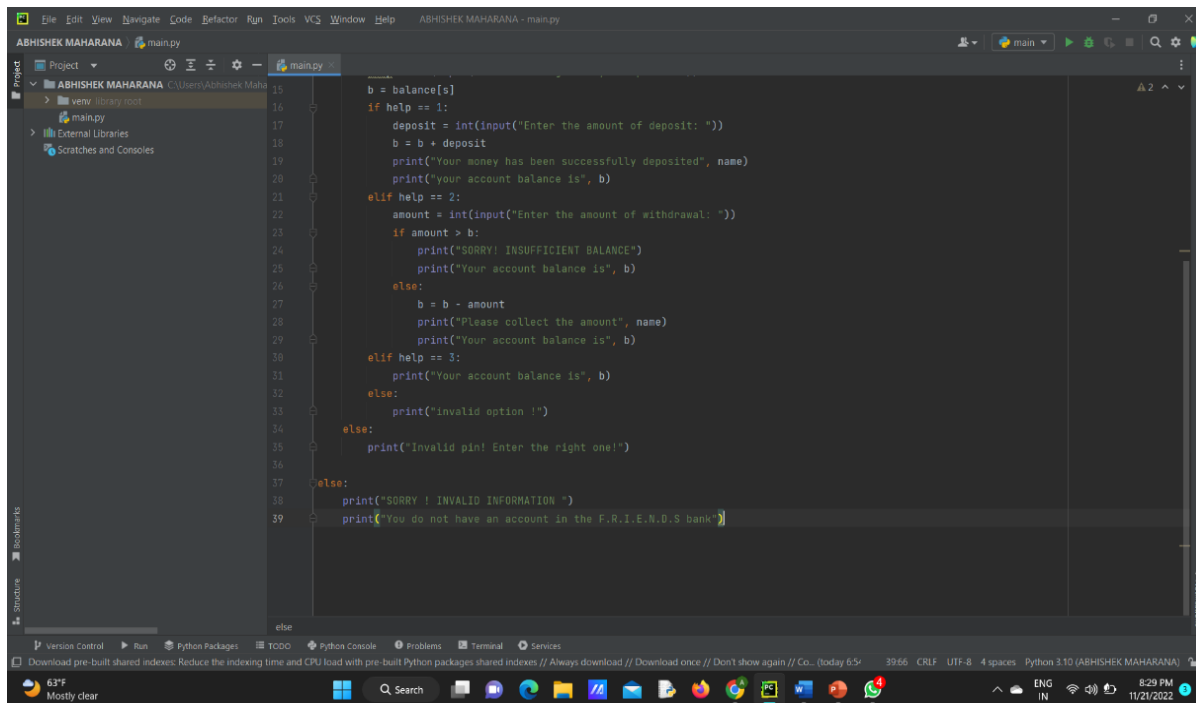Enter the digit of your option: 2

Enter the amount of withdrawal: 3000

Please collect the amount john

Your account balance is 31500

Process finished with exit code 0

```python
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print("WELCOME TO F.R.I.E.N.D.S ATM")
name = input("Enter your name: ")
name = name.lower()
pinI = input("Enter your pin: ")
if name in accounts and pinI in pin:
    s = accounts.index(name)
    if s == pin.index(pinI):
        print("How may i help you?")
        print("1) Cash Deposit\n2) Cash Withdrawal\n3) Check balance")
        help = int(input("Enter the digit of your option: "))
        b = balance[s]
        if help == 1:
            deposit = int(input("Enter the amount of deposit: "))
            b = b + deposit
            print("Your money has been successfully deposited", name)
            print("your account balance is", b)
        elif help == 2:
            amount = int(input("Enter the amount of withdrawal: "))
            if amount > b:
                print("SORRY! INSUFFICIENT BALANCE")
                print("Your account balance is", b)
            else:
                b = b - amount
                print("Please collect the amount", name)
                print("Your account balance is", b)
        elif help == 3:
```



```python
        b = balance[s]
        if help == 1:
            deposit = int(input("Enter the amount of deposit: "))
            b = b + deposit
            print("Your money has been successfully deposited", name)
            print("your account balance is", b)
        elif help == 2:
            amount = int(input("Enter the amount of withdrawal: "))
            if amount > b:
                print("SORRY! INSUFFICIENT BALANCE")
                print("Your account balance is", b)
            else:
                b = b - amount
                print("Please collect the amount", name)
                print("Your account balance is", b)
        elif help == 3:
            print("Your account balance is", b)
        else:
            print("invalid option !")
    else:
        print("Invalid pin! Enter the right one!")

else:
    print("SORRY ! INVALID INFORMATION ")
    print("You do not have an account in the F.R.I.E.N.D.S bank")
```

ABHISHEK MAHARANA | main.py

```python
                b = b - amount
                print("Please collect the amount", name)
                print("Your account balance is", b)
            elif help == 3:
                print("Your account balance is", b)
            else:
                print("invalid option !")
        else:
            print("Invalid pin! Enter the right one!")

else:
    print("SORRY ! INVALID INFORMATION ")
    print("You do not have an account in the F.R.I.E.N.D.S bank")
```

else

Run: main

```
"C:\Users\Abhishek Maharana\PycharmProjects\ABHISHEK MAHARANA\venv\Scripts\python.exe" "C:/Users/Abhishek Maharana/PycharmProjects/ABHISHEK MAHARANA/main.py"
WELCOME TO F.R.I.E.N.D.S ATM
Enter your name: john
Enter your pin: 1089
How may i help you?
1) Cash Deposit
2) Cash Withdrawal
3) Check balance
Enter the digit of your option: 2
Enter the amount of withdrawal: 3000
Please collect the amount john
```