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**INT108**

PROJECT REPORT ON

**ATM SIMULATION**

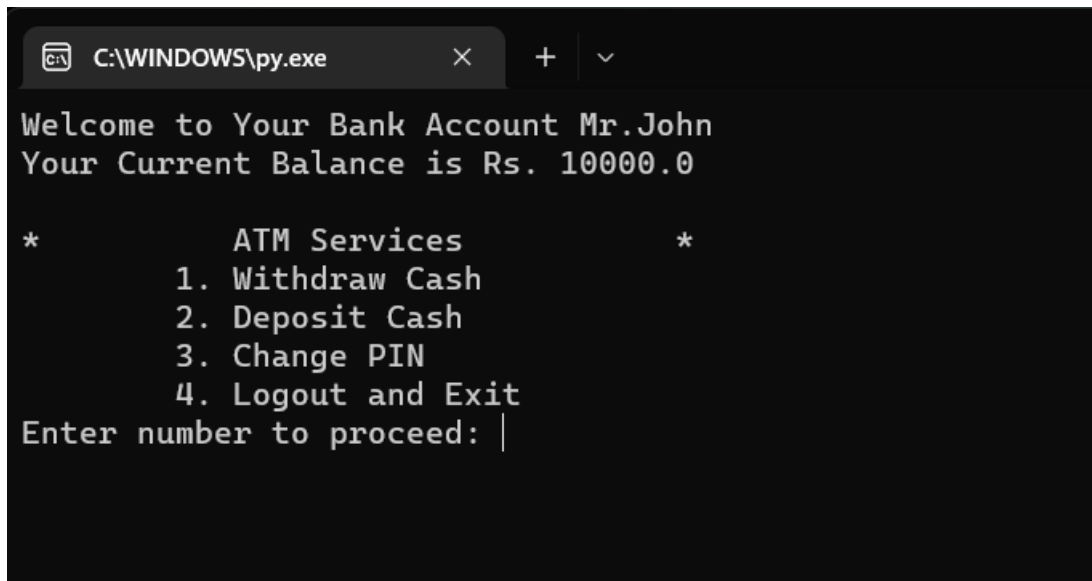
NAME	REGD. NO.	ROLL NO.
VIPIN KUMAR	12220492	B71

SECTION: **KOC26**

SUBMITTED TO: **ADHIRAJ SIR**

# Introduction

This is an ATM simulation for a single user, let's say, Mr. John, who has already successfully logged into his account on the ATM Machine and his account current balance is Rs. 10000.0. Now he will use the services with the help of given menu



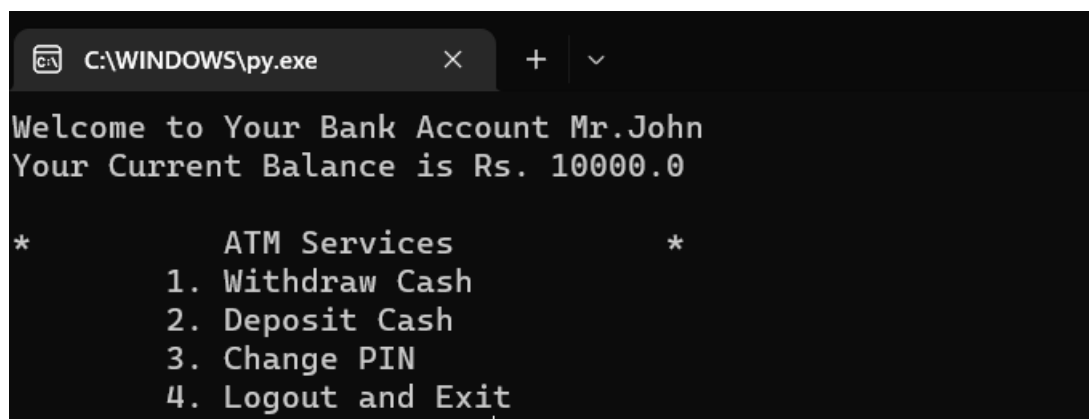
```
C:\WINDOWS\py.exe
Welcome to Your Bank Account Mr.John
Your Current Balance is Rs. 10000.0

*          ATM Services          *
1. Withdraw Cash
2. Deposit Cash
3. Change PIN
4. Logout and Exit
Enter number to proceed: |
```

## Features of Project:

### 1. Just after logging:

Here on, he is presented with the following options:



```
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Welcome to Your Bank Account Mr.John
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Enter number to proceed: |
```

## 2. Pressing 1:

Pressing 1 will load up the cash withdrawal screen, wherein after we have entered the right PIN - 1234 for our bank account, we will be able to enter an amount to withdraw from our account. You can enter your desired amount, if amount is less than current balance then it will proceed to confirmation if not then it will show you **Can't withdraw amount <entered amount>, Enter the lower amount**, and it will ask for you PIN, then anyone can proceed again.

```
C:\WINDOWS\py.exe
Welcome to Your Bank Account Mr.John
Your Current Balance is Rs. 10000.0

*          ATM Services          *
  1. Withdraw Cash
  2. Deposit Cash
  3. Change PIN
  4. Logout and Exit
Enter number to proceed: 1

Please Enter Your 4-Digit PIN: 1234

Opening Cash Withdrawal...

Enter the amount you wish to withdraw: 5551
Withdrawing Rs. 5551.0

Confirm? Y/N: y
Cash is withdrawing...

Amount withdrawn - Rs. 5551.0
Remaining Balance - Rs. 4449.0
      Have a Nice Day!

-----

Welcome to Your Bank Account Mr.John
Your Current Balance is Rs. 4449.0 (Low Balance)
```

### 3. Pressing 2:

On entering 2, we are taken to the cash deposit option of the ATM, where we will be able to deposit an amount into our bank amount.



```
C:\WINDOWS\py.exe
Welcome to Your Bank Account Mr.John
Your Current Balance is Rs. 10000.0

*          ATM Services          *
    1. Withdraw Cash
    2. Deposit Cash
    3. Change PIN
    4. Logout and Exit
Enter number to proceed: 2

Loading Cash Depositing...

Enter the amount you wish to deposit: 5000
Confirm? Y/N: y

Cash is depositing...

Amount Deposited - Rs. 5000.0
Updated Balance - Rs. 15000.0
    Have a Nice Day!

-----

Welcome to Your Bank Account Mr.John
Your Current Balance is Rs. 15000.0
```

## 4. Pressing 3:

Pressing 4 allows me to change my ATM PIN. Here, I am prompted to enter my old PIN, after which the program allows me to enter the new PIN I want, which I have chosen at 9876.

```
Welcome to Your Bank Account Mr.John  
Your Current Balance is Rs. 15000.0
```

```
*          ATM Services          *  
  1. Withdraw Cash  
  2. Deposit Cash  
  3. Change PIN  
  4. Logout and Exit
```

```
Enter number to proceed: 3
```

```
Please Enter Your 4-Digit PIN: 1234
```

```
Loading PIN Change...
```

```
Enter your new PIN: 9876
```

```
Changing PIN to 9876
```

```
Confirm? Y/N: y
```

```
PIN changed successfully!
```

```
-----
```

```
Welcome to Your Bank Account Mr.John  
Your Current Balance is Rs. 15000.0
```

## 5. Pressing 4:

Pressing 4 will simply "log us out" of the ATM.

# Language Used:

## Python:

- I am using the time module with the alias t for its sleep function. I have used the sleep function simply for the realistic effect it gives to an application and will explain its implementation as we encounter it further along in the code.

```
import time as t
```

- I used while loop. With the **while** loop we can execute a set of statements as long as a condition is true. According to the feature, I also used break and continue statement. With the **break** statement we can stop the loop even if the while condition is true. With the **continue** statement we can stop the current iteration and continue with the next.
- I also used **if, elif & else** statement.

## **Conclusion:**

This ATM simulation is made as our project of INT108 so that we can easily use the ATM in command prompt convey the services of ATM to all the people in a easy way. This simulation consists of basics of Python programming language.