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INT108

PROJECT REPORT ON

ATM SIMULATION

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SECTION: **KOC26**

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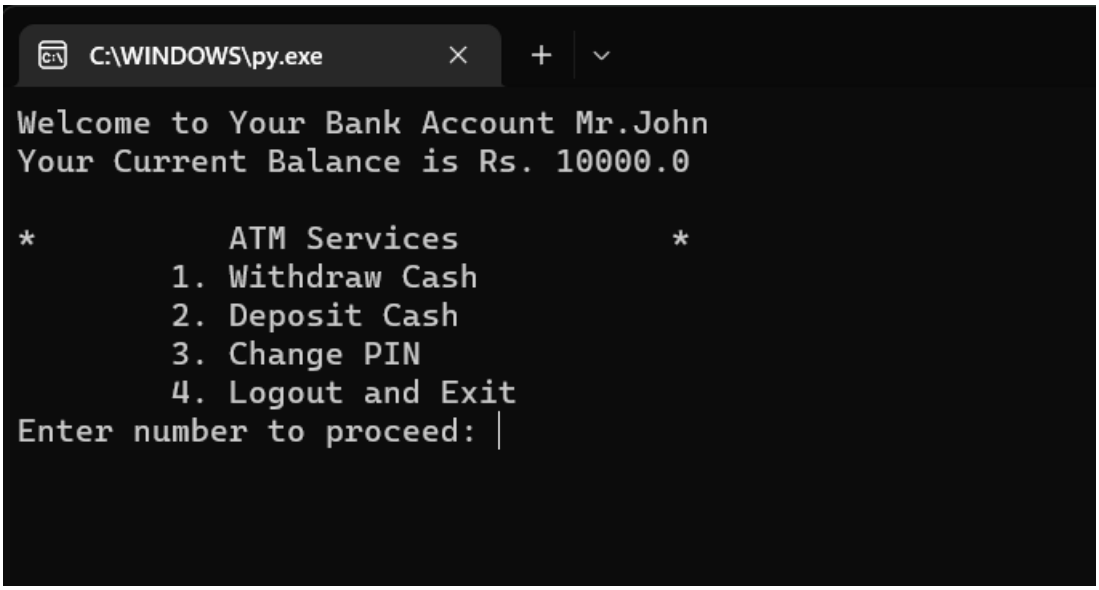
Introduction

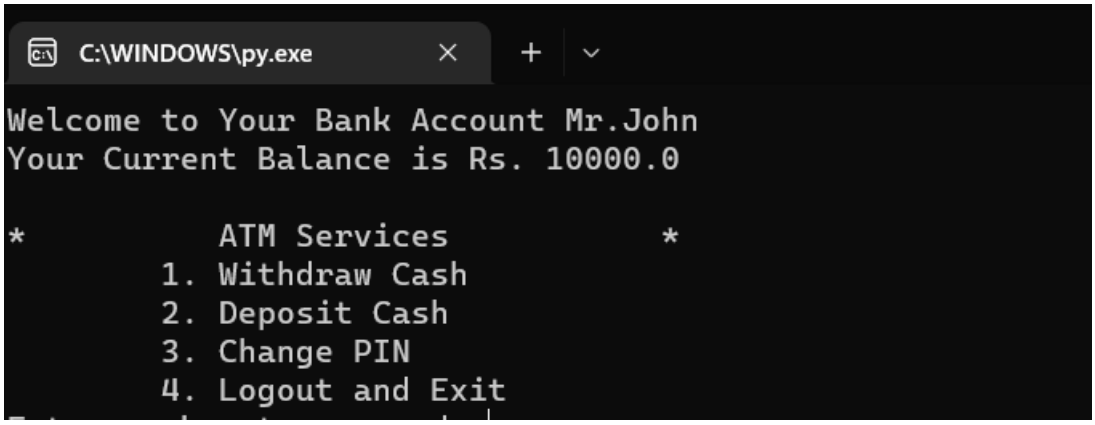
This is an ATM simulation for a single user, let's say, Mr. John, who has already successfully logged into his account on the ATM Machine and his account current balance is Rs. 10000.0. Now he will use the services with the help of given menu



Features of Project:

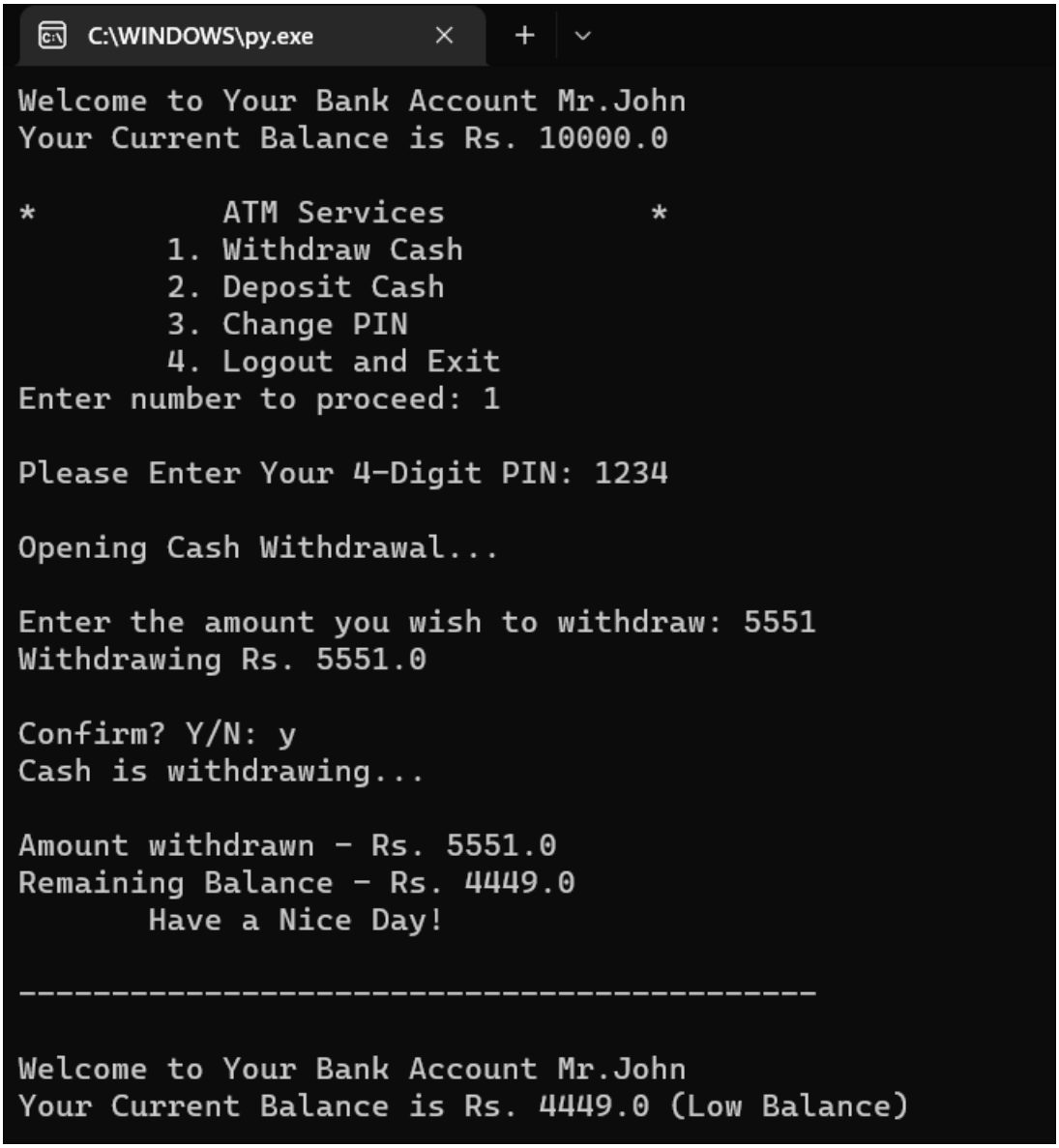
1. Just after logging:

Here on, he is presented with the following options:



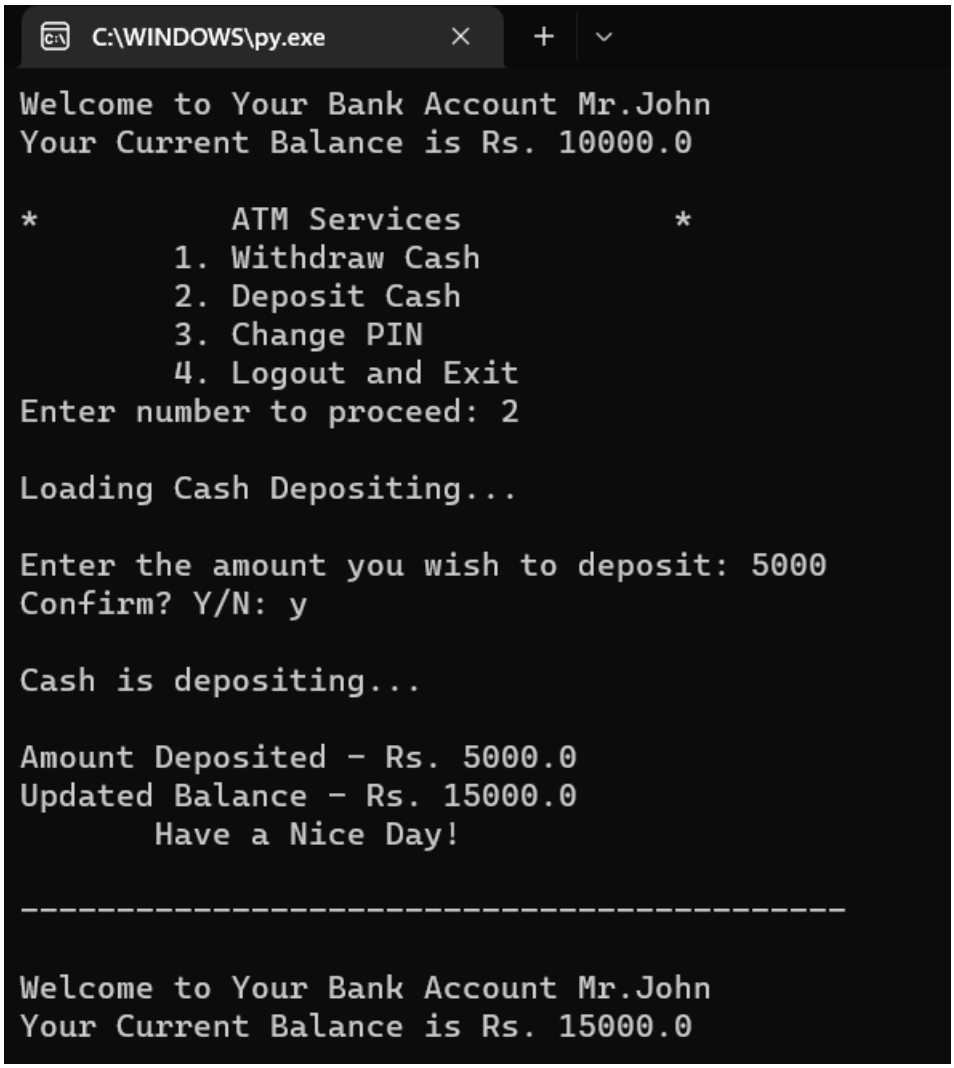
2. Pressing 1:

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.



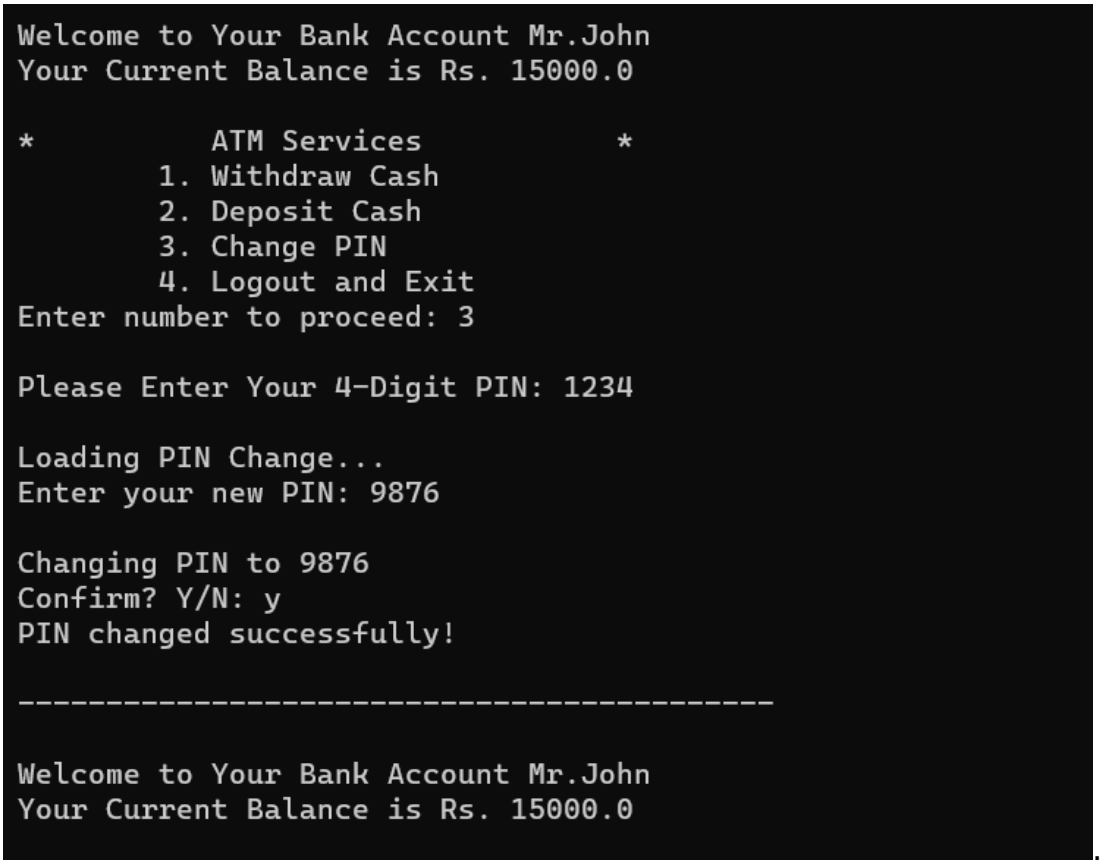
3. Pressing 2:

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.



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.



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.