Simple ATM System In PYTHON With Source Code

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Overview

ATM Simulator Assignment is written in Python. The Assignment file contains a python script (atm.py). This is a simple console-based system which is very easy to use. Talking about the system, it contains various functions which include View Balance, Withdrawing, Depositing amount, and changing the pin. Here, at first, the user has to enter an existing username, when the username matches the system proceed toward the next procedure i.e asking for a password/pin number. When a user passes all these sign-in procedures, he/she can use all those features. It is too easy to use, he/she can check their respective account statements, Deposit, and Withdrawing as well.

While the user forgot the password on login you have to create a forgot password functionality.

And forgot password on based on stored email address. If the user type coreect email then you have to give a prompt for new password.

While depositing or withdrawing an amount, he/she just has to enter the amount then the system calculates the total remaining balance of the respective account and displays to the user. And the user can view all these transactions from the account statement. In this ATM Simulator, the user can also change the password/pin number. For this, the user has to enter the New pin code and then confirm it in order to change the pin code. This simple console-based ATM simulator provides the simple account balance management of a respective account. It contains all the essential features. There is no database connection or neither any external text nor other files used in this mini Assignment to save the user's data. Everything is set inside the source code whether its password/pin code or the amount.
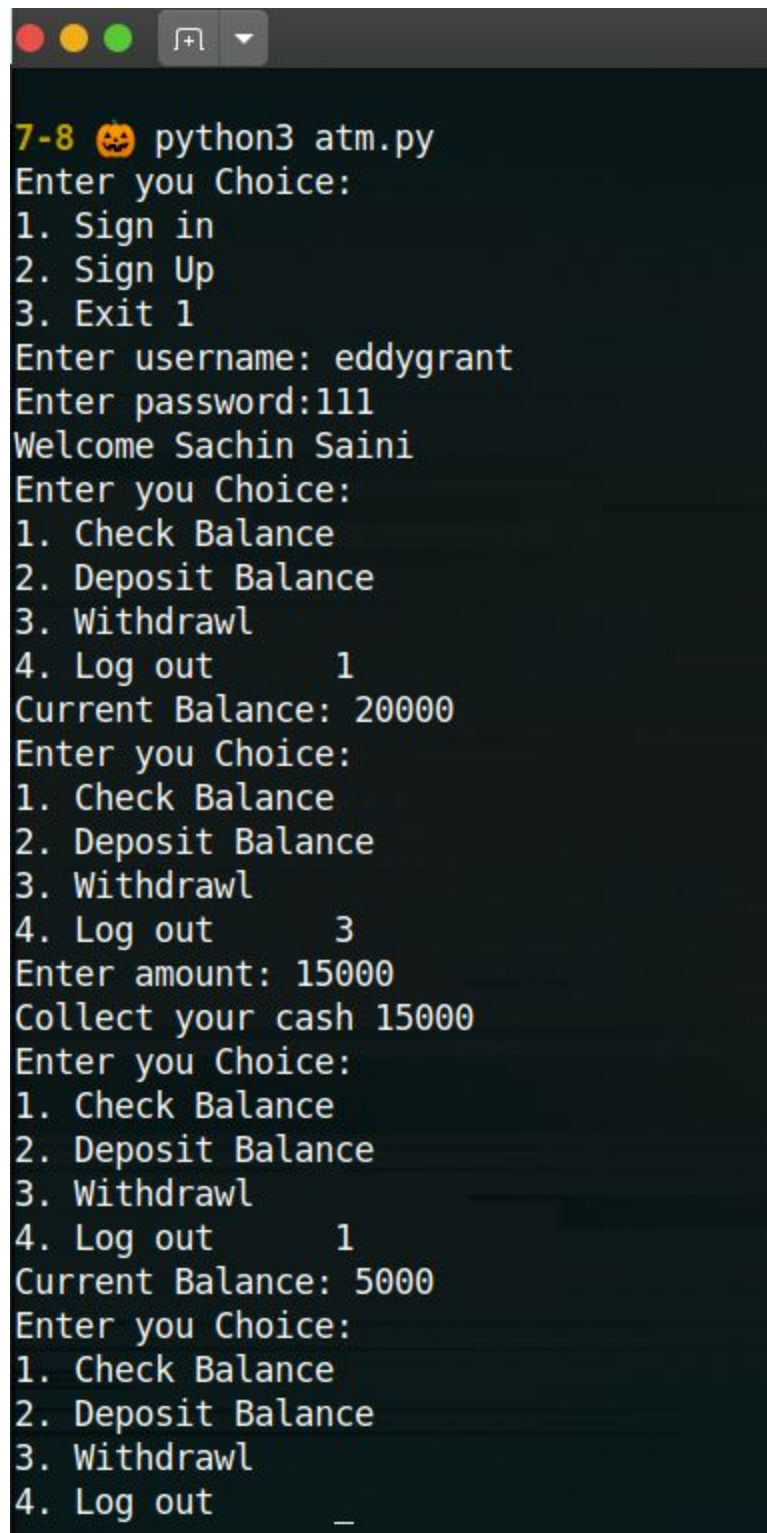
Example:

```python
1. create a basic database using dict.
database = {
        'eddygrant000':{
            'name': 'Sachin',
            'age': 22,
            'email': 'eddyXXXX@gmail.com',
            'password': 'red@123'
            'amount': 20000,
        },
        'sachin000':{
            'name': 'Tanuj',
            'age': 25,
            'email': 'tanuj@gmail.com'
            'password': 'red@123'
            'amount': 10000,
        }
    }
```

In order to run the Assignment, you must have installed Python, on your PC. This is a simple Console Based system, specially written for beginners.
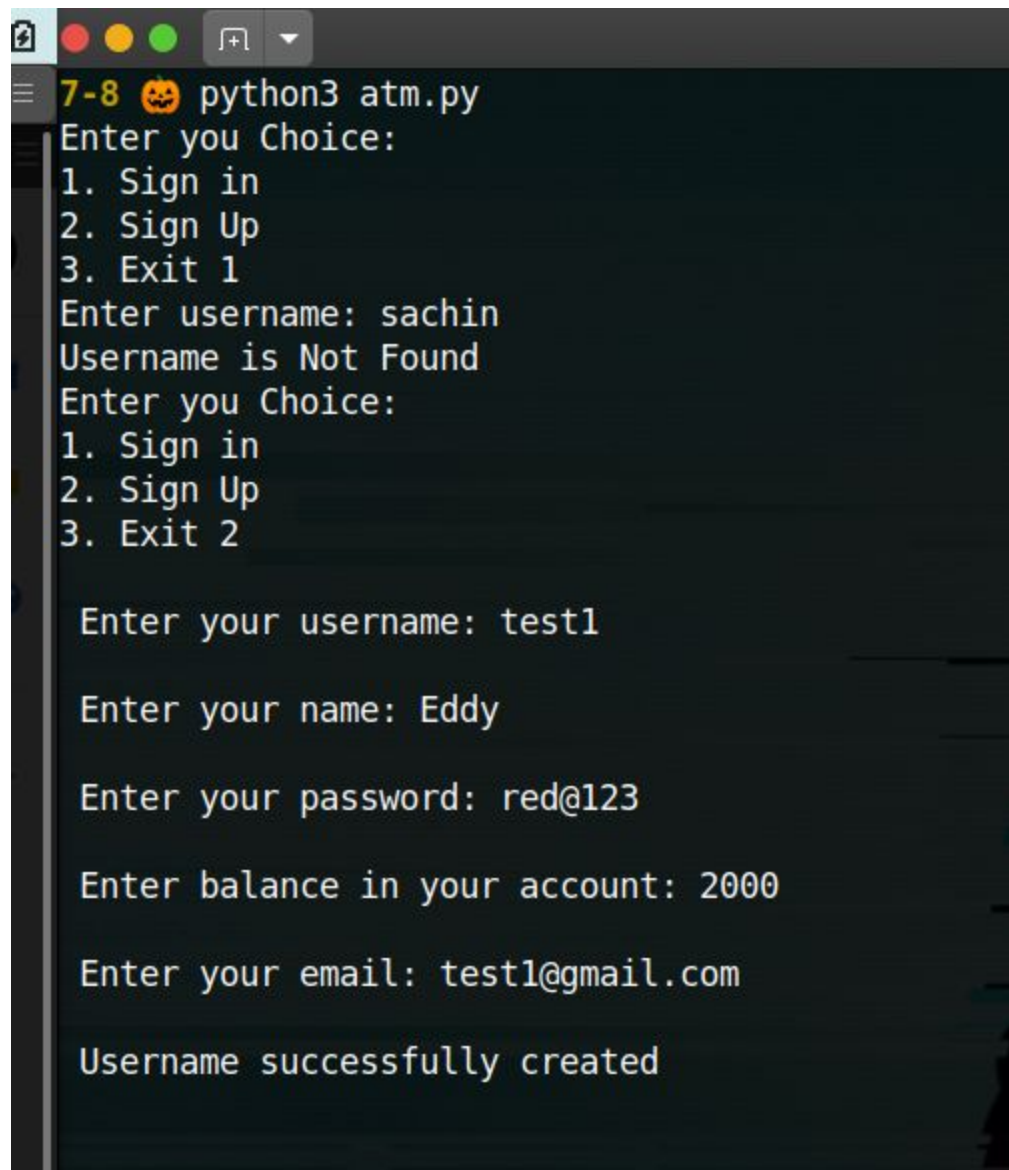
Functality:

1. Login
2. SignUp
3. Exit
4. Withdrawl
5. Deposit
6. View Balance
7. Password Change
8. Forgot password

Some Sample Images:


```
7-8 🎃 python3 atm.py
Enter you Choice:
1. Sign in
2. Sign Up
3. Exit 1
Enter username: eddygrant
Enter password:111
Welcome Sachin Saini
Enter you Choice:
1. Check Balance
2. Deposit Balance
3. Withdrawl
4. Log out        1
Current Balance: 20000
Enter you Choice:
1. Check Balance
2. Deposit Balance
3. Withdrawl
4. Log out        3
Enter amount: 15000
Collect your cash 15000
Enter you Choice:
1. Check Balance
2. Deposit Balance
3. Withdrawl
4. Log out        1
Current Balance: 5000
Enter you Choice:
1. Check Balance
2. Deposit Balance
3. Withdrawl
4. Log out
```

```
7-8 🎃 python3 atm.py
Enter you Choice:
1. Sign in
2. Sign Up
3. Exit 1
Enter username: sachin
Username is Not Found
Enter you Choice:
1. Sign in
2. Sign Up
3. Exit 2

 Enter your username: test1

 Enter your name: Eddy

 Enter your password: red@123

 Enter balance in your account: 2000

 Enter your email: test1@gmail.com

 Username successfully created
```