

Python ATM Class Simulation with PIN Management, Balance Checking, and Withdrawal Functionality create just in 25 m
class ATM:

```

def __init__(self):
    self.pin = None
    self.balance = 0.0

def menu(self):
    while True:
        user_input = input("""
        Hello guys,
        1. Press 1 to create/change PIN.
        2. Press 2 for withdrawal.
        3. Press 3 to check balance.
        4. Press 4 to exit.

        """)

        if user_input == '1':
            self.create_pin()
        elif user_input == '2':
            self.withdrawal()
        elif user_input == '3':
            self.check_balance()
        elif user_input == '4':
            print('Thank you for using the ATM.')
            break
        else:
            print('Invalid option. Please try again.')

def create_pin(self):
    user_pin = input('Enter your new PIN: ')
    self.pin = user_pin
    user_balance = float(input('Enter your initial balance: '))
    self.balance = user_balance
    print('PIN created successfully.')

def change_pin(self):
    old_pin = input('Enter your old PIN: ')
    if old_pin == self.pin:
        new_pin = input('Enter your new PIN: ')
        self.pin = new_pin
        print('PIN changed successfully.')
    else:
        print('Incorrect old PIN. Please try again.')

def check_balance(self):
    user_pin = input('Enter your PIN: ')
    if user_pin == self.pin:
        print('Your balance is:', self.balance)
    else:
        print('Incorrect PIN. Please try again.')

def withdrawal(self):
    user_pin = input('Enter your PIN: ')
    if user_pin == self.pin:
        amount = float(input('Enter the amount to withdraw: '))
        if amount <= self.balance:
            self.balance -= amount
            print('Withdraw successful. Your new balance is:', self.balance)
        else:
            print('Insufficient balance.')
    else:
        print('Incorrect PIN. Please try again.')

```

```

atm = ATM()
atm.menu()

```



Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.
3. Press 3 to check balance.
4. Press 4 to exit.

1

Enter your new PIN: 1234

Enter your initial balance: 10000

PIN created successfully.

Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.
3. Press 3 to check balance.
4. Press 4 to exit.

2

Enter your PIN: 1234

Enter the amount to withdraw: 5000

Withdraw successful. Your new balance is: 5000.0

Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.
3. Press 3 to check balance.
4. Press 4 to exit.

3

Enter your PIN: 1234

Your balance is: 5000.0

Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.
3. Press 3 to check balance.
4. Press 4 to exit.

2

Enter your PIN: 1235

Incorrect PIN. Please try again.

Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.
3. Press 3 to check balance.
4. Press 4 to exit.

2

Enter your PIN: 1234

Enter the amount to withdraw: 8000

Insufficient balance.

Hello guys,

1. Press 1 to create/change PIN.
2. Press 2 for withdrawal.