

Code and result

```

balance = 5000          # initial balance
pin = "1234"            # default PIN
def login():
    print("==== ATM LOGIN =====")
    entered_pin = input("Enter PIN: ")

    if entered_pin == pin:
        print("Login successful!\n")
        return True
    else:
        print("Incorrect PIN!\n")
        return False
def check_balance():
    print(f"Your current balance is: ₹{balance}\n")

def withdraw():
    global balance
    amount = float(input("Enter amount to withdraw: ₹"))

    if amount <= 0:
        print("Enter a valid positive amount!\n")
    elif amount > balance:
        print("Insufficient balance!\n")
    else:
        balance -= amount
        print(f"Withdrawal successful! You withdrew ₹{amount}")
        print(f"Remaining balance: ₹{balance}\n")
def deposit():
    global balance
    amount = float(input("Enter amount to deposit: ₹"))

    if amount <= 0:
        print("Enter a valid positive amount!\n")
    else:
        balance += amount
        print(f"Deposit successful! You deposited ₹{amount}")
        print(f"Updated balance: ₹{balance}\n")
def menu():
    print("==== ATM MENU =====")
    print("1. Check Balance")
    print("2. Withdraw Money")
    print("3. Deposit Money")
    print("4. Exit")

# Main Program
if login():
    while True:
        menu()
        choice = input("Enter your choice: ")

        if choice == "1":
            check_balance()
        elif choice == "2":
            withdraw()
        elif choice == "3":
            deposit()
        elif choice == "4":
            print("Thank you for using the ATM!")
            break
        else:
            print("Invalid option! Please try again.\n")

```

===== ATM LOGIN =====

Enter PIN: 1234

Login successful!

===== ATM MENU =====

1. Check Balance

2. Withdraw Money

3. Deposit Money

4. Exit

Enter your choice: 1

Your current balance is: ₹5000

===== ATM MENU =====

1. Check Balance

2. Withdraw Money

3. Deposit Money

4. Exit

Enter your choice: 2000000

Invalid option! Please try again.

===== ATM MENU =====

1. Check Balance

2. Withdraw Money

3. Deposit Money

4. Exit

Enter your choice: 3

Enter amount to deposit: ₹ 10000

Deposit successful! You deposited ₹10000.0

Updated balance: ₹15000.0

===== ATM MENU =====

1. Check Balance

2. Withdraw Money

3. Deposit Money

4. Exit

Enter your choice: 4

Thank you for using the ATM!
