

SIMPLE ATM SIMULATOR

Fixed PIN for authentication

PIN = "1234"

Initial account balance

balance = 0

Maximum number of PIN attempts allowed

attempts = 3

Loop to allow PIN entry with limited attempts

while attempts > 0:

 entered_pin = input("Enter your PIN: ")

Check if entered PIN matches the fixed PIN

 if entered_pin == PIN:

 print("✅ Login successful!\n")

Keep showing menu until user chooses to exit

 while True:

 print("--- ATM Menu ---")

 print("1. Check Balance")

 print("2. Deposit Money")

 print("3. Withdraw Money")

 print("4. Exit")

User input for menu choice

 choice = input("Enter your choice: ")

Check Balance

 if choice == "1":

 print(f"💰 Your balance is: {balance}\n")

Deposit Money

 elif choice == "2":

 amount = int(input("Enter amount to deposit: "))

 if amount > 0:

 balance += amount

 print(f"✅ Deposit successful! New Balance: {balance}\n")

 else:

 print("❌ Invalid deposit amount! Please try again.\n")

Withdraw Money

 elif choice == "3":

 amount = int(input("Enter amount to withdraw: "))

 if 0 < amount <= balance:

 balance -= amount

 print(f"✅ Withdrawal successful! New Balance: {balance}\n")

 else:

 print("❌ Insufficient balance or invalid amount!\n")

Exit

 elif choice == "4":

 print("👋 Thank you for using the ATM. Goodbye!")

 exit() # End program

Invalid Menu Choice

 else:

 print("⚠️ Invalid choice. Please try again.\n")

else:

Decrease attempts if PIN is wrong

attempts -= 1





print(f"❌ Incorrect PIN! Attempts left: {attempts}")

If no attempts left, lock the account

if attempts == 0:

 print("🔒 Too many incorrect attempts. Your account is locked!")

CODE SCREENSHOTS

```
main.py    Share  Run

1 # 🏠 Simple ATM Simulator
2
3 # Fixed PIN for authentication
4 PIN = "1234"
5 # Initial account balance
6 balance = 0
7 # Maximum number of PIN attempts allowed
8 attempts = 3
9 # Loop to allow PIN entry with limited attempts
10 while attempts > 0:
11     entered_pin = input("Enter your PIN: ")
12     # Check if entered PIN matches the fixed PIN
13     if entered_pin == PIN:
14         print("✅ Login successful!\n")
15         # Keep showing menu until user chooses to exit
16         while True:
17             print("--- ATM Menu ---")
18             print("1. Check Balance")
19             print("2. Deposit Money")
20             print("3. Withdraw Money")
21             print("4. Exit")
22             # User input for menu choice
23             choice = input("Enter your choice: ")
24             # 1 Check Balance
25             if choice == "1":
26                 print(f"💰 Your balance is: {balance}\n")
27             # 2 Deposit Money
28             elif choice == "2":
29                 amount = int(input("Enter amount to deposit: "))
30                 if amount > 0:
31                     balance += amount
32                     print(f"✅ Deposit successful! New Balance: {balance}\n")
```

```
32                     print(f"✅ Deposit successful! New Balance: {balance}\n")
33             else:
34                 print("❌ Invalid deposit amount! Please try again.\n")
35             # 3 Withdraw Money
36             elif choice == "3":
37                 amount = int(input("Enter amount to withdraw: "))
38                 if 0 < amount <= balance:
39                     balance -= amount
40                     print(f"✅ Withdrawal successful! New Balance: {balance}\n")
41             else:
42                 print("❌ Insufficient balance or invalid amount!\n")
43             # 4 Exit
44             elif choice == "4":
45                 print("👋 Thank you for using the ATM. Goodbye!")
46                 exit() # End program
47             # Invalid Menu Choice
48             else:
49                 print("⚠️ Invalid choice. Please try again.\n")
50         else:
51             # Decrease attempts if PIN is wrong
52             attempts -= 1
53             print(f"❌ Incorrect PIN! Attempts left: {attempts}")
54             # If no attempts left, lock the account
55             if attempts == 0:
56                 print("🔒 Too many incorrect attempts. Your account is locked!")
```

OUTPUT SCREENSHOTS

```
Enter your PIN: 1234
✅ Login successful!

--- ATM Menu ---
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit
Enter your choice: 1
💰 Your balance is: 0

--- ATM Menu ---
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit
Enter your choice: 2
Enter amount to deposit: 50000
✅ Deposit successful! New Balance: 50000
```

```
--- ATM Menu ---
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit
Enter your choice: 3
Enter amount to withdraw: 20000
✅ Withdrawal successful! New Balance: 30000

--- ATM Menu ---
1. Check Balance
2. Deposit Money
3. Withdraw Money
4. Exit
Enter your choice: 4
🙏 Thank you for using the ATM. Goodbye!

=== Code Execution Successful ===
```

Output

```
Enter your PIN: 1235
❌ Incorrect PIN! Attempts left: 2
Enter your PIN: 1236
❌ Incorrect PIN! Attempts left: 1
Enter your PIN: 1237
❌ Incorrect PIN! Attempts left: 0
🚫 Too many incorrect attempts. Your account is locked!

=== Code Execution Successful ===
```