Bank Account Simulator

1. **Create an Account**

   - Ask for user details (name, account number, PIN, etc.)

   - Store in memory or simple file/database

```
   ----------------------------------------
          WELCOME TO MY BANK
----------------------------------------
Enter your account number: _____
Enter your PIN: ****
[✅] Login successful!
Hello, [User Name]!
return to main menu
if fail
[❌] Incorrect account number or PIN.
[🔒] Account locked due to 3 failed login attempts.
```

1. **Login System**

   - Verify account number and PIN/password

   - Use loops and conditional checks for validation

2. **Main Menu Options After Login**

   - View Balance

   - Deposit Money

   - Withdraw Money

   - Transfer Funds (optional: between mock accounts)

   - Change PIN

   - Exit

3. **Transaction Rules**

   - Prevent withdrawal if balance is insufficient

   - Set daily withdrawal/deposit limits if needed

   - Validate positive amounts

4. **Data Storage (Optional for Advanced)**

   - Use file or database to save account info and balance

   - Log each transaction with date/time

5. **Security (Optional for Advanced)**

   - Mask password input

- Lock account after 3 failed login attempts

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--------------------------------------
         WELCOME TO MY BANK
--------------------------------------
Enter your account number: _____
Enter your PIN: ****

[✅] Login successful!
Hello, [User Name]!
Redirecting to your account dashboard...

[❌] Incorrect account number or PIN.
Attempts left: [2]

[🔒] Account locked due to 3 failed attempts.
Please contact bank support.


--------------------------------------
         ACCOUNT DASHBOARD
--------------------------------------
[1] View Balance
[2] Deposit Money
[3] Withdraw Money
[4] Transfer Funds
[5] Change PIN
[6] View Transaction History
[7] Exit

Please select an option (1-7): _


--------------------------------------
         ACCOUNT BALANCE
--------------------------------------
Account Holder : [User Name]
Account Number : [XXXX-XXXX]
Current Balance: Rs. [current balance]

Press Enter to return to Main Menu...


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         DEPOSIT MONEY
--------------------------------------
Enter amount to deposit: _____

[✅] Deposit Successful!
Amount Deposited: Rs. [amount]
Date & Time     : [current date & time]
New Balance      : Rs. [updated balance]


Returning to Main Menu...

[⚠️] Invalid input. Please enter a positive amount.

[⚠️] Daily deposit limit reached. Try again tomorrow.
```

            WITHDRAW MONEY

Enter amount to withdraw: _____

Enter your PIN: ****

[✅] Withdrawal Successful!
Amount Withdrawn   : Rs. [amount]
Date & Time   : [current date & time]
Remaining Balance : Rs. [updated balance]

Returning to Main Menu...

[⚠️] Error: Insufficient balance.
Your Balance: Rs. [balance]

[⚠️] Invalid input. Please enter a positive amount.

[⚠️] Daily withdrawal limit reached. Try again tomorrow.

[❌] Incorrect PIN. Attempts left: [2]

            TRANSFER FUNDS

Enter recipient account number: _____
Enter amount to transfer: _____

Enter your PIN: ****

[✅] Transfer Successful!
Amount Transferred : Rs. [amount]
Recipient Account : [account number]
Date & Time   : [date & time]
Remaining Balance : Rs. [updated balance]

Returning to Main Menu...

[❌] Incorrect PIN. Attempts left: [2]

[⚠️] Error: Insufficient balance.
Your Balance: Rs. [balance]

[⚠️] Invalid account number. Please try again.

[⚠️] Invalid input. Please enter a positive amount.

            CHANGE PIN

Enter your current PIN: ****

Enter new PIN: _____
Confirm new PIN: _____

[✅] PIN updated successfully!
Returning to Main Menu...

[❌] Incorrect current PIN.
[⚠️] PINs do not match. Try again.

         TRANSACTION HISTORY
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1. [+] Rs. 5000 deposited on 29 Jul 2025 at 3:22 PM
2. [-] Rs. 2000 withdrawn on 29 Jul 2025 at 4:10 PM
3. [→] Rs. 1500 sent to 12345678 on 29 Jul 2025 at 5:05 PM

Press Enter to return to Main Menu...

[ℹ️] No transactions found.

          THANK YOU FOR USING
         MY BANK SIMULATOR

Have a great day, [User Name]!
Logging out safely...