# **🏦 Problem Statement: ATM Machine Simulator**

Write a Python program that simulates the working of an ATM machine.

## **✅ Requirements**

### **1. PIN Verification**

1. The ATM should ask the user to enter their 4-digit PIN.
2. The user gets a maximum of **3 attempts**.
3. If the PIN is wrong all 3 times → print **"Card Blocked. Please contact bank."** and exit.

### **2. Menu Options (after correct PIN)**

Display a menu with the following options:

1. **Check Balance**
2. **Deposit Money**
3. **Withdraw Money**
4. **Exit**

### **3. Deposit Rules**

* User enters an amount to deposit.
* **Condition:** Per transaction deposit cannot exceed **₹50,000**.
* If valid → update balance.
* Else → show **"Deposit limit exceeded. Try again."**

### **4. Withdrawal Rules**

* User enters an amount to withdraw.
* **Conditions:**
  + Amount must be in **multiples of 100 only**.
  + Per transaction withdraw limit is **₹20,000**.
  + If withdrawal amount > available balance → show **"Insufficient funds."**
  + User must maintain a **minimum balance of ₹1000** after withdrawal.
    - If balance goes below 1000 → reject transaction.

### **5. Check Balance**

* Simply display the current account balance.

### **6. Exit**

* Print **"Thank you for banking with us!"** and end the program.

## **🔹 Implementation Guidelines**

* Use **functions**:
  + check\_balance()
  + deposit(amount)
  + withdraw(amount)
  + atm() → main function to handle flow.
* Use **while loop** for:
  + PIN attempts.
  + Re-displaying menu until user selects Exit.
* Use **if/else conditions** to validate deposit & withdrawal rules.