```
import java.util.Scanner;

class ATM {
    private double balance;

    public ATM(double initialBalance) {
        this.balance = initialBalance;
    }

    public void checkBalance() {
        System.out.println("Current Balance: ₹" + balance);
    }

    public void deposit(double amount) {
        if (amount <= 0) {
            throw new IllegalArgumentException("Deposit amount must be positive.");
        }
        balance += amount;
        System.out.println("Deposited: ₹" + amount);
    }

    public void withdraw(double amount) {
        if (amount <= 0) {
            throw new IllegalArgumentException("Withdrawal amount must be positive.");
        }
        if (amount > balance) {
            throw new IllegalArgumentException("Insufficient Balance!");
        }
        balance -= amount;
        System.out.println("Withdrawn: ₹" + amount);
    }
}

public class ATMApp {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        ATM atm = new ATM(1000); // initial balance
        int choice = 0;

        while (true) {
            try {
                System.out.println("\n--- ATM MENU ---");
                System.out.println("1. Check Balance");
                System.out.println("2. Deposit");
```

```
            System.out.println("3. Withdraw");
            System.out.println("4. Exit");
            System.out.print("Enter your choice: ");
            choice = sc.nextInt();

            switch (choice) {
                case 1:
                    atm.checkBalance();
                    break;
                case 2:
                    System.out.print("Enter amount to deposit: ");
                    double dep = sc.nextDouble();
                    atm.deposit(dep);
                    break;
                case 3:
                    System.out.print("Enter amount to withdraw: ");
                    double wd = sc.nextDouble();
                    atm.withdraw(wd);
                    break;
                case 4:
                    System.out.println("Thank you for using ATM. Goodbye!");
                    sc.close();
                    System.exit(0);
                default:
                    System.out.println("Invalid choice! Please try again.");
            }
        } catch (IllegalArgumentException e) {
            System.out.println("Error: " + e.getMessage());
        } catch (ArithmeticException e) {
            System.out.println("Math Error: " + e.getMessage());
        } catch (Exception e) {
            System.out.println("Invalid input! Please enter valid numbers.");
            sc.nextLine(); // clear invalid input
        } finally {
            System.out.println("Transaction finished.\n");
        }
    }
  }
}
```

Output : -

```
--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
4. Exit
Enter your choice: 1
Current Balance: ₹1000.0
Transaction finished.

--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
4. Exit
Enter your choice: 2
Enter amount to deposit: 500
Deposited: ₹500.0
Transaction finished.

--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
4. Exit
Enter your choice: 1
Current Balance: ₹1500.0
Transaction finished.

--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
4. Exit
Enter your choice: 3
Enter amount to withdraw: 700
Withdrawn: ₹700.0
Transaction finished.

--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
```

4. Exit
Enter your choice: 1
Current Balance: ₹800.0
Transaction finished.

--- ATM MENU ---
1. Check Balance
2. Deposit
3. Withdraw
4. Exit
Enter your choice: 3
Enter amount to withdraw: 2000
Error: Insufficient Balance!
Transaction finished.

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