

KASHISH  
25/SCA/MCAN/079

## MINI-PROJECT

**Q ATM simulator meant to perform basic banking operations such as balance inquiry ,cash withdrawl ,money deposit and PIN validation.**

```
import java.util.Scanner;  
  
public class ATMsimulator {  
  
    public static void main(String[] args) {  
  
        Scanner sc = new Scanner(System.in);  
  
  
        int PIN = 2004;  
        int p;  
        double balance = 10000;  
  
  
        System.out.print("Enter your ATM PIN: ");  
        p = sc.nextInt();  
  
  
  
  
        if (p != PIN) {  
            System.out.println("Invalid PIN! Access Denied.");  
            return;  
        }  
        else{  
            System.out.println("LOGIN SUCCESSFULL");  
        }  
  
  
        int choice;
```

```
do {
    System.out.println("\n===== ATM MENU =====");
    System.out.println("1. Balance Inquiry");
    System.out.println("2. Cash Withdrawal");
    System.out.println("3. Deposit Money");
    System.out.println("4. Exit");
    System.out.print("Enter your choice: ");
    choice = sc.nextInt();

    switch (choice) {

        case 1:
            System.out.println("Your Current Balance: ₹" + balance);
            break;

        case 2:
            System.out.print("Enter amount to withdraw: ₹");
            double withdrawAmount = sc.nextDouble();

            if (withdrawAmount > balance) {
                System.out.println("Insufficient Balance!");
            } else if (withdrawAmount <= 0) {
                System.out.println("Invalid Amount!");
            } else {
                balance -= withdrawAmount;
                System.out.println("Withdrawal Successful!");
            }
    }
}
```

```
        System.out.println("Remaining Balance: ₹" + balance);
    }
    break;

case 3:
    System.out.print("Enter amount to deposit: ₹");
    double depositAmount = sc.nextDouble();

    if (depositAmount <= 0) {
        System.out.println("Invalid Amount!");
    } else {
        balance += depositAmount;
        System.out.println("Deposit Successful!");
        System.out.println("Updated Balance: ₹" + balance);
    }
    break;

case 4:
    System.out.println("Thank you for using the ATM. Goodbye!");
    break;

default:
    System.out.println("Invalid choice! Please try again.");
}

} while (choice != 4);

}
```

```
Enter your ATM PIN: 2003
Invalid PIN! Access Denied.

...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter your ATM PIN: 2004
LOGIN SUCCESSFULL

===== ATM MENU =====
1. Balance Inquiry
2. Cash Withdrawal
3. Deposit Money
4. Exit
Enter your choice: 1
Your Current Balance: 10000.0

===== ATM MENU =====
1. Balance Inquiry
2. Cash Withdrawal
3. Deposit Money
4. Exit
Enter your choice: 2
Enter amount to withdraw: 2000
Withdrawal Successful!
Remaining Balance: 8000.0

===== ATM MENU =====
1. Balance Inquiry
2. Cash Withdrawal
3. Deposit Money
4. Exit
Enter your choice: 3
Enter amount to deposit: 4000
Deposit Successful!
Updated Balance: 12000.0

===== ATM MENU =====
1. Balance Inquiry
2. Cash Withdrawal
3. Deposit Money
4. Exit
Enter your choice: 4
```