

# 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
```