

```
import java.util.Scanner;

class Bank {
    private String accno;
    private String name;
    private long balance;

    Scanner KB = new Scanner(System.in);

    //method to open an account
    void openAccount() {
        System.out.print("Enter Account No: ");
        accno = KB.next();
        System.out.print("Enter Name: ");
        name = KB.next();
        System.out.print("Enter Balance: ");
        balance = KB.nextLong();
    }

    //method to display account details
    void showAccount() {
        System.out.println(accno + "," + name + "," + balance);
    }

    //method to deposit money
    void deposit() {
        long amt;
        System.out.println("Enter Amount U Want to Deposit : ");
    }
}
```

```
amt = KB.nextLong();
balance = balance + amt;
}

//method to withdraw money
void withdrawal() {
    long amt;
    System.out.println("Enter Amount U Want to withdraw : ");
    amt = KB.nextLong();
    if (balance >= amt) {
        balance = balance - amt;
    } else {
        System.out.println("Less Balance..Transaction Failed..");
    }
}

//method to search an account number
boolean search(String acn) {
    if (acno.equals(acn)) {
        showAccount();
        return (true);
    }
    return (false);
}

public class ExBank {
    public static void main(String arg[]) {
        Scanner KB = new Scanner(System.in);

        //create initial accounts
        System.out.print("How Many Customer U Want to Input : ");
        int n = KB.nextInt();
        for (int i = 1; i <= n; i++) {
            System.out.print("Enter Name : ");
            String name = KB.nextLine();
            System.out.print("Enter Acno : ");
            String acno = KB.nextLine();
            System.out.print("Enter Balance : ");
            long bal = KB.nextLong();
            Account a = new Account(name, acno, bal);
            acnos.add(a);
        }
    }
}
```

```
int n = KB.nextInt();
Bank C[] = new Bank[n];
for (int i = 0; i < C.length; i++) {
    C[i] = new Bank();
    C[i].openAccount();
}

//run loop until menu 5 is not pressed
int ch;
do {
    System.out.println("Main Menu\n1. Display All\n2. Search By Account\n");
    System.out.println("Ur Choice :"); ch = KB.nextInt();
    switch (ch) {
        case 1:
            for (int i = 0; i < C.length; i++) {
                C[i].showAccount();
            }
            break;

        case 2:
            System.out.print("Enter Account No U Want to Search...: ");
            String acn = KB.next();
            boolean found = false;
            for (int i = 0; i < C.length; i++) {
                found = C[i].search(acn);
                if (found) {
                    break;
                }
            }
            if (!found) {
                System.out.println("Search Failed..Account Not Exist.");
            }
            break;
    }
}
```

```
case 3:  
    System.out.print("Enter Account No : ");  
    acn = KB.next();  
    found = false;  
    for (int i = 0; i < C.length; i++) {  
        found = C[i].search(acn);  
        if (found) {  
            C[i].deposit();  
            break;  
        }  
    }  
    if (!found) {  
        System.out.println("Search Failed..Account  
    }  
    break;  
  
case 4:  
    System.out.print("Enter Account No : ");  
    acn = KB.next();  
    found = false;  
    for (int i = 0; i < C.length; i++) {  
        found = C[i].search(acn);  
        if (found) {  
            C[i].withdrawal();  
            break;  
        }  
    }  
    if (!found) {  
        System.out.println("Search Failed..Account  
    }  
    break;
```

```
        case 5:  
            System.out.println("Good Bye..");  
            break;  
        }  
    }  
    while (ch != 5);  
}  
}
```

Output

```
How Many Customer U Want to Input : 2
```

```
Enter Account No: 101  
Enter Name: Chintu  
Enter Balance: 25000  
Enter Account No: 102  
Enter Name: Alexander  
Enter Balance: 30000
```

```
Main Menu
```

```
1.Display All  
2.Search By Account  
3.Deposit  
4.Withdrawal  
5.Exit
```

```
Ur Choice :
```

```
1
```

```
101,Chintu,25000  
102,Alexander,30000
```

Output

How Many Customer U Want to Input : 2

Enter Account No: 101

Enter Name: Chintu

Enter Balance: 25000

Enter Account No: 102

Enter Name: Alexander

Enter Balance: 30000

Main Menu

1.Display All

2.Search By Account

3.Deposit

4.Withdrawal

5.Exit

Ur Choice :

1

101,Chintu,25000

102,Alexander,30000

Main Menu

1.Display All

2.Search By Account

3.Deposit

4.Withdrawal

5.Exit

Ur Choice :

2

**Enter Account No U Want to Search...: 102
102,Alexander,30000**

Main Menu

- 1.Display All**
- 2.Search By Account**
- 3.Deposit**
- 4.Withdrawal**
- 5.Exit**

Ur Choice :

2

**Enter Account No U Want to Search...: 105
Search Failed..Account Not Exist..**

Main Menu

- 1.Display All**
- 2.Search By Account**
- 3.Deposit**
- 4.Withdrawal**
- 5.Exit**

Ur Choice :

3

**Enter Account No : 102
102,Alexander,30000
Enter Amount U Want to Deposit :
25000**

Main Menu

Main Menu

- 1. Display All
- 2. Search By Account
- 3. Deposit
- 4. Withdrawal
- 5. Exit

Ur Choice :

3

Enter Account No : 105

Search Failed..Account Not Exist..

Main Menu

- 1. Display All
- 2. Search By Account
- 3. Deposit
- 4. Withdrawal
- 5. Exit

Ur Choice :

4

Enter Account No : 102

102,Alexander,55000

Enter Amount U Want to withdraw :

15000

Main Menu

- 1. Display All
- 2. Search By Account
- 3. Deposit
- 4. Withdrawal
- 5. Exit

102,ALEXANDER ,99888

Enter Amount U Want to withdraw :

15000

Main Menu

- 1.Display All
- 2.Search By Account
- 3.Deposit
- 4.Withdrawal
- 5.Exit

Ur Choice :

4

Enter Account No : 105

Search Failed..Account Not Exist..

Main Menu

- 1.Display All
- 2.Search By Account
- 3.Deposit
- 4.Withdrawal
- 5.Exit

Ur Choice :

5

Good Bye..