

Bank Management Project

Made by:

Muskan Jain

Features in our online Banking System

Note :- Used SWITCH CASE and COLLECTION : linked list

1. Display all account or customer details
2. Search customer details using Account number
3. Deposit the amount
4. Withdraw the amount
5. Exit

```
***Banking System Application***  
1. Display all account details  
2. Search by Account number  
3. Deposit the amount  
4. Withdraw the amount  
5.Exit  
Enter your choice:
```

**** Your choice ****

Display all account or customer details

Step 1:- Type 1

Step 2:- Customer Details will get visible.
(account number,
Name of a customer,
Current Balance)

Enter your choice:

1

101	sandip	1000
102	amit	25000
103	kiran	1500
104	sunil	20000

Search customer details using Account number

Step 1:- Type 2

Step 2:- Enter your account Number

Step 3:- Account details will display

```
Enter your choice:
```

```
2
```

```
Enter Account no to display: 102
```

```
102      amit      25000
```

Deposit the amount in the account number

Step 1:- Type 3

Step 2:- Enter your account Number

Step 3:- Enter amount want to deposit.

Step 4:- Check your details.

```
Enter your choice:
```

```
3
```

```
Enter Account no: 102
```

```
Enter the amount to be deposited
```

```
1000
```

```
Your Previous Details
```

```
102      amit      25000
```

```
Deposit of amount Rs.1000 is successful
```

```
Your final amount Rs26000 :)
```

```
Details after deposited
```

```
102      amit      26000
```

Withdraw the amount from the account number

Step 1:- Type 4

Step 2:- Enter your account Number

Step 3:- Enter amount want to
withdraw.

Step 4:- Minimum account balance
should be greater than 1000.

Step 5:- Check your details.

Case 1:-

Amount > 1000

After transaction >1000

Transaction Done !!

```
Enter your choice:
4
Enter Account no: 102
Enter the amount you want to withdraw:
5000
Before transaction
102      amit      25000
Withdrawel of amount Rs.5000 is successful

Your final amount Rs20000 :)
After transaction
102      amit      20000
```

Withdraw the amount from the account number

Step 1:- Type 4

Step 2:- Enter your account Number

Step 3:- Enter amount want to withdraw.

Step 4:- Minimum account balance should be greater than 1000.

Step 5:- Check your details.

Case 2:-

Amount > 1000

After transaction < 1000

Transaction failed!!

```
Enter your choice:
4
Enter Account no: 103
Enter the amount you want to withdraw:
1000
Before transaction
103    kiran    1500
Your final amount Rs500 will get lesser than minimum amount(Rs 1000) :(
  Sorry, your balance is insufficient to allow withdraw
After transaction
103    kiran    1500
```

Withdraw the amount from the account number

Step 1:- Type 4

Step 2:- Enter your account Number

Step 3:- Enter amount want to
withdraw.

Step 4:- Minimum account balance
should be greater than 1000.

Step 5:- Check your details.

Case 3:-

Amount \leq 1000

Withdraw money $>$ 1000

Transaction failed!!

```
Enter your choice:
```

```
4
```

```
Enter Account no: 101
```

```
Enter the amount you want to withdraw:
```

```
1200
```

```
Your Details
```

```
101    sandip 1000
```

```
Transaction failed...!! Sorry, your balance is insufficient to allow withdrawal
```


Exit

Step 1:- Type 5

Step 2:- Out of your System

```
Enter your choice:  
5  
See you soon...
```

```

package org.project2;
import java.util.LinkedList;
import java.util.Scanner;
public class Banking {
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        Bank obj1=new Bank(101,"sandip",1000);
        Bank obj2=new Bank(102,"amit",25000);
        Bank obj3=new Bank(103,"kiran",1500);
        Bank obj4=new Bank(104,"sunil",20000);
        LinkedList<Bank> list=new LinkedList<Bank>();
        list.add(obj1);
        list.add(obj2);
        list.add(obj3);
        list.add(obj4);
        int ch;
        do {
            System.out.println("\n ***Banking System Application***");
            System.out.println("1. Display all account details \n 2. Search by Account number\n 3. Deposit the amount \n 4. Withdraw the amount \n 5.Exit ");
            System.out.println("Enter your choice: ");
            ch = sc.nextInt();
            switch (ch) {
                case 1: // Display all Details
                    for(Bank data:list){
                        System.out.println(data.getAccno()+"\t"+data.getName()+"\t"+data.getBalance());
                    }
                    break;
                case 2: // Searching account details by Account number
                    System.out.print("Enter Account no to display: ");
                    int rec=sc.nextInt();
                    for(Bank data:list){
                        if(data.getAccno()==(rec)){
                            System.out.println(data.getAccno()+"\t"+data.getName()+"\t"+data.getBalance());
                        }
                    }
                    break;
                case 3:
                    System.out.print("Enter Account no: ");
                    int sa= sc.nextInt();
                    for (int i = 0; i < list.size(); i++) {
                        if (list.get(i).getAccno() == sa) {
                            System.out.println("Enter the amount to be deposited");
                        }
                    }
                    break;
            }
        } while (ch != 5);
    }
}

```

```

    int deposits = sc.nextInt();
    System.out.println("Your Previous Details");
    System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
    list.get(i).deposits(deposits);
    System.out.println("Deposit of amount Rs." + deposits + " is successful ");
    System.out.println("Your final amount Rs" + list.get(i).getBalance() + " :)");
    System.out.println(" Details after deposited");
    System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
}
break;
ase 4:
int total;
System.out.print("Enter Account no: ");
sa= sc.nextInt();
for (int i = 0; i < list.size(); i++)
{
    if (list.get(i).getAccno() == sa)
    {
        System.out.println("Enter the amount you want to withdraw: ");
        int withdrawels = sc.nextInt();
        if (list.get(i).getBalance() > 1000 && list.get(i).getBalance()>=withdrawels) {
            total = list.get(i).getBalance() - withdrawels;
            if(total>1000) {
                System.out.println("Before transaction");
                System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
                list.get(i).withdrawels(withdrawels);
                System.out.println("Withdrawel of amount Rs." + withdrawels + " is successful\n");
                System.out.println("Your final amount Rs" + list.get(i).getBalance() + " :)");
                System.out.println("After transaction");
                System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
                break;
            }
        }
        else {
            System.out.println("Before transaction");
            System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
            System.out.println("Your final amount Rs"+total+" will get lesser than minimum amount(Rs 1000) :(");
            System.out.println(" Sorry, your balance is insufficient to allow withdraw ");
            System.out.println("After transaction");
            System.out.println(list.get(i).getAccno()+"\t"+list.get(i).getName()+"\t"+list.get(i).getBalance());
        }
    }
} else {

```

System.out.println("Transaction failed....! Sorry, your balance is

```
    }  
    }  
}
```

```
break;
```

```
case 5:
```

```
    System.out.println("See you soon...");
```

```
    break;
```

```
}
```

```
}while (ch != 5);
```

```
}
```

```
}
```

```
1 package org.project2;
2 import java.util.*;
3 public class Bank {
4     int accno;
5     String name;
6     int balance=1000;
7     public long finalBalance;
8     public Bank(int accno, String name, int balance) {
9         super();
10        this.accno = accno;
11        this.name = name;
12        this.balance = balance;
13    }
14    public int getAccno() {
15        return accno;
16    }
17
18    public String getName() {
19        return name;
20    }
21    public int getBalance() {
22        return balance;
23    }
24
25
26    public void deposits(int deposit){
27        this.balance = deposit + this.balance;
28    }
29
30    public void withdrawls(int withdrawel){
31
32        this.balance = this.balance - withdrawel;
33    }
34
35    @Override
36    public String toString() {
37        return "Customer [accno=" + accno + ", name=" + name + ", balance=" + balance + "];"
38    }
39
40
```

Thank You !!