

```

import java.util.*;

public class Bank
{
    Public static void main(String args[])
    {
        String acc_no, name, acc_type;
        long balance;
        Scanner sc = new Scanner(System.in);
        public void openaccount()
        {
            System.out.print("Enter Account No: ");
            acc_no = sc.next();
            System.out.print("Enter Account type: ");
            acc_type = sc.next(); System.out.print("Enter Name: ");
            name = sc.next();
            System.out.print("Enter Balance: ");
            balance = sc.nextLong();
        }
        public void showAccount() { System.out.println("Name of account holder: " +
            name); System.out.println("Account no.: " + acc_no); System.out.println("Account
            type: "+acc_type); System.out.println("Balance: " + balance);
        }
        public void deposit()
        {
            long amt;
            System.out.println("Enter the amount you want to deposit:
            "); amt = sc.nextLong(); balance = balance + amt;
        }
        public void withdrawal()
        {
            long amt;

```

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System.out.println("Enter the amount you want to
withdraw: ");

amt = sc.nextLong(); if (balance >= amt) { balance =
balance - amt;
System.out.println("Balance after withdrawal: " + balance);
} else {
System.out.println("Your balance is less than " + amt + "\tTransaction
failed...!!" ); }
}

public boolean search(String acc_no) {
if (acc_no.equals(acc_no)) {
showAccount(); return (true);
}
return (false);
}
}

public class BankingApp{
public static void main(String[] args) { Scanner sc = new Scanner(System.in);
System.out.print("How many number of customers do you want to input? ");
int n = sc.nextInt();
BankDetails c[] = new BankDetails[n];
for (int i = 0; i < c.length; i++) {
c[i] = new BankDetails(); c[i].openAccount();
}
int ch; do
{
System.out.println("\n **Banking System Application");
System.out.println("1.Display all account details\n 2.Search by Account number\n3.
Deposit the amount\n4.Withdraw the amount\n5.Exit"); System.out.println("Enter
your choice: "); ch = sc.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. you want to search: "); String  
acc_no = sc.next(); boolean found = false; for (int i = 0; i < c.length;  
i++) { found = c[i].search(acc_no); if (found) { break;  
}  
}  
if (!found) {  
System.out.println("Search failed! Account doesn't exist..!!");  
}
```

break; case 3:

```
System.out.print("Enter Account no. : "); acc_no =  
sc.next(); found = false; for (int i = 0; i < c.length; i++) {  
found = c[i].search(acc_no);  
if (found) { c[i].deposit(); break;  
}  
}  
if (!found)  
{  
System.out.println("Search failed! Account doesn't exist..!!");  
}
```

break; case 4:

```
System.out.print("Enter Account No : ");  
acc_no = sc.next(); found = false;  
for (int i = 0; i < c.length; i++)  
{  
found = c[i].search(acc_no);  
if (found)  
{
```

```
c[i].withdrawal(); break;
}
}
if (!found)
{
    System.out.println("Search failed! Account doesn't exist..!!");
}
break;
case 5:
    System.out.println("See you soon...");
    break;
}
}
while (ch != 5);
}
}
```