

Object: WAP among a class account using the inherit and static that show all bank functions like withdrawal, deposit.

```
import java.util.Scanner;

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

    Scanner scan=new Scanner(System.in);

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

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

```

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        System.out.println("Less Balance..Transaction Failed..");
    }
}

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

}

class ExBank
{
    public static void main(String arg[])
    {
        Scanner scan=new Scanner(System.in);
        //create initial accounts
        System.out.print("How Many Customer U Want to Input : ");
        int n=scan.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__\n 1.Display All\n 2.Search By Account\n 3.Deposit\n 4.Withdrawal\n 5.Exit");
            System.out.println("Your Choice :");
            ch=scan.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=scan.next();
                    boolean found=false;
                    for(int i=0;i<C.length;i++)
                    {
                        found=C[i].search(acn);
                        if(found)

```

Exist..");

```
        {
            break;
        }
    }
    if(!found)
    {
        System.out.println("Search Failed..Account Not
Exist..");
    }
    break;
```

case 3:

Exist..");

```
System.out.print("Enter Account No : ");
acn=scan.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 Not
Exist..");
}
break;
```

case 4:

Exist..");

```
System.out.print("Enter Account No : ");
acn=scan.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 Not
Exist..");
}
break;
```

case 5:

```
System.out.println("Good Bye..");
break;
```

}


```

    }
    while(ch!=5);
}
}

```

Output:-

```

Run: ExBank (1) ExBank
"C:\Program Files\Java\jdk1.8.0_201\bin\java.exe" ...
How Many Customer U Want to Input : 1
Enter Account No: 1002
Enter Name: Hulk
Enter Balance: 2000
Main Menu
1.Display All
2.Search By Account
3.Deposit
4.Withdrawal
5.Exit
Your Choice :
3
Enter Account No : 1002
1002,Hulk,2000
Enter Amount U Want to Deposit :
2000
Main Menu
1.Display All
2.Search By Account
3.Deposit
4.Withdrawal
5.Exit
Your Choice :
1
1002,Hulk,4000
Main Menu
1.Display All
2.Search By Account
3.Deposit
4.Withdrawal
5.Exit
Your Choice :
4
Enter Account No : 1002
1002,Hulk,4000
Enter Amount U Want to withdraw :
4000
Main Menu
1.Display All
2.Search By Account
3.Deposit
4.Withdrawal
5.Exit
Your Choice :
1
1002,Hulk,0
Main Menu
1.Display All
2.Search By Account
3.Deposit
4.Withdrawal
5.Exit
Your Choice :
5
Good Bye..
Process finished with exit code 0
|

```