

BANK DATABASE

```
import java.lang.*;

import java.util.Scanner;
class Account {
    public static int min=500;
    String name;
    int Account_num;
    public float o_Price;
    Scanner sc=new Scanner(System.in);

    public void get_info() {
        System.out.println("Enter Name:");
        name=sc.nextLine();
        System.out.println("Enter Account Number:");
        Account_num=sc.nextInt();
        System.out.println("Enter opening Ammount must>500:");
        o_Price=sc.nextFloat();
        if(o_Price <500)
        {
            System.out.println("Enter opening Ammount must>500:");
        }
    }

    public void show() {
        System.out.println("Name:"+name);
        System.out.println("Account_number:"+Account_num);
        System.out.println("Ammount:"+o_Price);
    }

}

class Current extends Account {
    float deposit,withdraw,penality;
    public void deposit() {
        System.out.println("Eneter Ammount to deposit") ;
        deposit =sc.nextFloat();
    }
}
```

```

show();
o_Price=o_Price+deposit;
System.out.println("Total Ammount is :"+o_Price) ;
}

public void check_Bal() {
if(o_Price<min){
o_Price=o_Price-150;
System.out.println("You have debited ammount 150 from your acccount Account balance
is:"+o_Price);
}}

```

```

public void withdraw_Bal() {
System.out.println("Enter Ammount to withdraw");
withdraw=sc.nextFloat();
show();
if(withdraw < o_Price)
{
o_Price=o_Price-withdraw;
System.out.println("After Withdawl Balance "+o_Price);
}
else {
System.out.println("Insufficent Balance cant not less than 500");
}
check_Bal();
}}

```

```

class Saving extends Account {
float deposit,withdraw,intr;
public void deposit() {
System.out.println("Eneter Ammount to deposit") ;
deposit =sc.nextFloat();
show();
o_Price=o_Price+deposit;
System.out.println("Total Ammount is :"+o_Price) ;
}
public void check_intrest() {
intr=(o_Price*2)/100;

```

```

o_Price=o_Price+intr;
System.out.println("Total Ammount with intrest is :"+o_Price) ; }
public void withdraw_Bal()
{
System.out.println("Enter Ammount to withdraw:");
withdraw=sc.nextFloat();
show();
if(withdraw < o_Price)
{
o_Price=o_Price-withdraw;
System.out.println("After Withdawl Balance "+o_Price);
}
else {
System.out.println("Insufficent Balance");
}
}
}
}

```

```

public class Account2
{
static String ch;
public static void main(String[] args)
{
int count=0;
Scanner sc=new Scanner(System.in);
Current cu=new Current ();
Saving sav=new Saving ();
System.out.println("Choose Account type:");
System.out.println("Press c for Current Account:");
System.out.println("Press s for Saving Account:");
ch=sc.nextLine();
if(ch.equalsIgnoreCase("c"))
{
cu.get_info();
cu.check_Bal();
}
}
}

```

```

while(count!=4)    {
System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4.Exit Cheque book facility available");
System.out.println("Enter Your Coice");
int cho=sc.nextInt();
switch(cho)        {
case 1: cu.show();
break;
case 2: cu.deposit();
break;
case 3: cu.withdraw_Bal();
break;
case 4: System.exit(0);
break;
default: System.out.println("Wrong Choce!");
}        }        }
else if(ch.equalsIgnoreCase("s"))
{    sav.get_info();
while(count!=5)
{
System.out.println("1.Display\n2.Deposit\n3.Withdraw\n4.Intrest\n5.Exit Cheque book facility not
available");
System.out.println("Enter Your Coice");
int cho=sc.nextInt();
switch(cho)        {
case 1: sav.show();
break;
case 2: sav.deposit();
break;
case 3: sav.withdraw_Bal();
break;
case 4: sav.check_intrest();
break;
case 5: System.exit(0);
break;
default: System.out.println("Wrong Choce!");
}        }        }
else {
System.out.println("Wrong choice!");
}}    }

```

SAMPLE OUTPUT

```
C:\Users\Admin\Desktop\1BM21CS235>javac Account2.java

C:\Users\Admin\Desktop\1BM21CS235>java Account2
Choose Account type:
Press c for Current Account:
Press s for Saving Account:
c
Enter Name:
abc
Enter Account Number:
123
Enter opening Ammount must>500:
1000
1.Display
2.Deposit
3.Withdraw
4.Exit Cheque book facility available
Enter Your Coice
3
Enter Ammount to withdraw
2000
Name:abc
Account_number:123
Ammount:1000.0
Insufficient Balance cant not less than 500
1.Display
2.Deposit
3.Withdraw
4.Exit Cheque book facility available
Enter Your Coice
2
Eneter Ammount to deposit
100
Name:abc
Account_number:123
Ammount:1000.0
Total Ammount is :1100.0
1.Display
2.Deposit
3.Withdraw
4.Exit Cheque book facility available
Enter Your Coice
3
Enter Ammount to withdraw
1000
Name:abc
Account_number:123
Ammount:1100.0
After Withdawl Balance 100.0
You have debited ammount 150 from your acccount Account balance is:-50.0
1.Display
2.Deposit
3.Withdraw
4.Exit Cheque book facility available
Enter Your Coice
```

```
C:\Users\Admin\Desktop\1BM21CS235>javac Account2.java
```

```
C:\Users\Admin\Desktop\1BM21CS235>java Account2
```

```
Choose Account type:
```

```
Press c for Current Account:
```

```
Press s for Saving Account:
```

```
s
```

```
Enter Name:
```

```
Abc
```

```
Enter Account Number:
```

```
123
```

```
Enter opening Ammount must>500:
```

```
1000
```

```
1.Display
```

```
2.Deposit
```

```
3.Withdraw
```

```
4.Intrest
```

```
5.Exit Cheque book facility not available
```

```
Enter Your Coice
```

```
3
```

```
Enter Ammount to withdraw:
```

```
1100
```

```
Name:Abc
```

```
Account_number:123
```

```
Ammount:1000.0
```

```
Insufficent Balance
```

```
1.Display
```

```
2.Deposit
```

```
3.Withdraw
```

```
4.Intrest
```

```
5.Exit Cheque book facility not available
```

```
Enter Your Coice
```

```
3
```

```
Enter Ammount to withdraw:
```

```
0
```

```
Name:Abc
```

```
Account_number:123
```

```
Ammount:1000.0
```

```
After Withdawl Balance 1000.0
```

```
1.Display
```

```
2.Deposit
```

```
3.Withdraw
```

```
4.Intrest
```

```
5.Exit Cheque book facility not available
```

```
Enter Your Coice
```

```
4
```

```
Total Ammount with intrest is :1020.0
```

```
1.Display
```

```
2.Deposit
```

```
3.Withdraw
```

```
4.Intrest
```

```
5.Exit Cheque book facility not available
```

```
Enter Your Coice
```

