```java
package mypackage;
import java.util.Scanner;

abstract class ATM{ //parent class
 double balance;
 ATM(double balance){           //parent constructor
  this.balance=balance;
 }
 abstract void withDraw(double amount);
 abstract void deposit(double amount);
 abstract void checkBal();

}
class SBI extends ATM{          //child class
 SBI(double balance){        //child constructor
  super(balance);
 }
 //withdraw method
 void withDraw(double amount) {
  if(amount>0 && amount<=balance) {
   balance -= amount;
   System.out.println("Withdrawl Success:Avl balance"+balance);
  }
  else {
   System.out.println("Insufficient balance");
  }

 }
 //deposit method
 void deposit(double amount) {
  if(amount>0) {
   balance+=amount;
   System.out.println("Deposited successfully:Avl balance"+balance);
  }else {
   System.out.println("Invalid amount");
  }
 }
 //check balance
 void checkBal() {
  System.out.println("current balance"+balance);

 }
}
public class ATM_abstraction {

 public static void main(String[] args) {
  Scanner s=new Scanner(System.in);
  SBI b=new SBI(1000);  //initial amt
  while(true) {
   System.out.println("----ATM MENU----");
```

```
51   System.out.println("1.Withdraw money");
52   System.out.println("2.Deposit money");
53   System.out.println("3.Check balance");
54   System.out.println("4.Exit");
55   System.out.println("-----------------");
56
57   System.out.println("Enter your choice:");
58   int choice=s.nextInt();
59   switch(choice) {
60   case 1:
61    System.out.println("Enter amount to withdraw:");
62    double with_amt=s.nextDouble();
63    b.withDraw(with_amt);
64    break;
65   case 2:
66    System.out.println("Enter amount to deposit:");
67    double dep_amt=s.nextDouble();
68    b.deposit(dep_amt);
69    break;
70   case 3:
71    System.out.println("Available balance:");
72    b.checkBal();
73    break;
74   case 4:
75    System.out.println("Thank you for using SBI..");
76    s.close();
77    System.exit(0);
78   default:
79    System.out.println("Enter valid choice:");
80  }
81 }
82   }
83}
```