

<pre> 1- class BankAccount { 2-     private String depositorName; 3-     private int accountNumber; 4-     private String accountType; 5-     private double balance; 6- 7-     public BankAccount(String depositorName, int accountNumber, String         accountType) { 8-         this.depositorName = depositorName; 9-         this.accountNumber = accountNumber; 10-        this.accountType = accountType; 11-        this.balance = 10000; // Initial balance 12-    } 13- 14-    public void deposit(double amount) { 15-        balance += amount; 16-    } 17- 18-    public void withdraw(double amount) { 19-        if (balance - amount &gt;= 500) { 20-            balance -= amount; 21-        } else { 22-            System.out.println("Insufficient balance. Minimum balance should                 be Rs.500.00"); 23-        } 24-    } 25- 26-    public void display() { 27-        System.out.println("Account Number: " + accountNumber); 28-        System.out.println("Depositor Name: " + depositorName); 29-        System.out.println("Account Type: " + accountType); </pre>	<pre> java -cp /tmp/2G8i5NTgXm/BankAccountDemo Account Number: 100 Depositor Name: Raja Account Type: S Balance: 18000.0 Account Number: 100 Depositor Name: Raja Account Type: S Balance: 1000.0 Account Number: 101 Depositor Name: Rani Account Type: S Balance: 22000.0 Account Number: 102 Depositor Name: Ragu Account Type: W Balance: 2000.0 Account Number: 103 Depositor Name: Ravi Account Type: C Balance: 10000.0 === Code Execution Successful === </pre>
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17 // Child class: ICICI
18 class ICICI extends Bank {
19     public ICICI() {
20         rateOfInterest = 7.0;
21     }
22 }
23
24 // Child class: AXIS
25 class AXIS extends Bank {
26     public AXIS() {
27         rateOfInterest = 9.0;
28     }
29 }
30
31 public class BankDemo {
32     public static void main(String[] args) {
33         // Create instances of different banks
34         Bank sbi = new SBI();
35         Bank icici = new ICICI();
36         Bank axis = new AXIS();
37
38         // Get the rate of interest for each bank
39         System.out.println("SBI Rate of Interest: " + sbi.getRateOfInterest()
40             + "%");
41         System.out.println("ICICI Rate of Interest: " + icici
42             .getRateOfInterest() + "%");
43         System.out.println("AXIS Rate of Interest: " + axis.getRateOfInterest
44             () + "%");
45     }
46 }

```

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java -cp /tmp/pPvhIZP9WX/BankDemo
SBI Rate of Interest: 8.0%
ICICI Rate of Interest: 7.0%
AXIS Rate of Interest: 9.0%

=== Code Execution Successful ===

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