

```
1 import java.util.Scanner;
2 interface FixedDeposit {
3     void getDetails();
4     void showDetails();
5     void calcInterest();
6 }
7 class HDFC implements FixedDeposit {
8     String name, pan;
9     int age;
10    public void getDetails() {
11        Scanner sc = new Scanner(System.in);
12        System.out.println("Enter Name (HDFC): ");
13        name = sc.nextLine();
14        System.out.println("Enter PAN Number: ");
15        pan = sc.nextLine();
16        System.out.println("Enter Age: ");
17        age = sc.nextInt();
18    }
19    public void showDetails() {
20        System.out.println("\nHDFC Fixed Deposit Customer Details");
21        System.out.println("Name : " + name);
22        System.out.println("PAN : " + pan);
23        System.out.println("Age : " + age);
24    }
25    public void calcInterest() {
26        double rate = 4.0;
27        System.out.println("Interest Rate (HDFC): " + rate + "%");
28    }
29 }
30
31 class IndianBank implements FixedDeposit {
32     String name, aadhar, phone;
33    public void getDetails() {
34        Scanner sc = new Scanner(System.in);
35        System.out.println("Enter Name (Indian Bank): ");
36        name = sc.nextLine();
37        System.out.println("Enter Aadhar Number: ");
38        aadhar = sc.nextLine();
39        System.out.println("Enter Phone Number: ");
40        phone = sc.nextLine();
41    }
42    public void showDetails() {
43        System.out.println("\nIndian Bank Fixed Deposit Customer Details");
44        System.out.println("Name : " + name);
45        System.out.println("Aadhar : " + aadhar);
46        System.out.println("Phone : " + phone);
47    }
48 }
```

```
48     public void calcInterest() {
49         double rate = 4.5;
50         int extra = 300;
51         System.out.println("Interest Rate (Indian Bank): " + rate + "%");
52         System.out.println("Additional Rs" + extra + " per year");
53     }
54 }
55
56 class Run {
57     public static void main(String[] args) {
58         Scanner sc = new Scanner(System.in);
59         System.out.println("Choose Bank for Fixed Deposit:");
60         System.out.println("1. HDFC");
61         System.out.println("2. Indian Bank");
62         System.out.print("Enter choice: ");
63         int choice = sc.nextInt();
64         sc.nextLine();
65         FixedDeposit fd = null;
66         if (choice == 1) {
67             fd = new HDFC();
68         } else if (choice == 2) {
69             fd = new IndianBank();
70         } else {
71             System.out.println("Invalid Choice!");
72             System.exit(0);
73         }
74         fd.getDetails();
75         fd.showDetails();
76         fd.calcInterest();
77     }
78 }
```

Choose Bank for Fixed Deposit:

1. HDFC
2. Indian Bank

Enter choice: 1

Enter Name (HDFC):

Yashas

Enter PAN Number:

YUHN1234M

Enter Age:

19

HDFC Fixed Deposit Customer Details

Name : Yashas

PAN : YUHN1234M

Age : 19

Interest Rate (HDFC): 4.0%

Choose Bank for Fixed Deposit:

1. HDFC
2. Indian Bank

Enter choice: 2

Enter Name (Indian Bank):

Yash

Enter Aadhar Number:

432187651009

Enter Phone Number:

1234567890

Indian Bank Fixed Deposit Customer Details

Name : Yash

Aadhar : 432187651009

Phone : 1234567890

Interest Rate (Indian Bank): 4.5%

Additional Rs300 per year