PRACTICAL:24

AIM: Write an small application in Java to develop Banking Application in which user deposits the amount Rs 1000.00 and then start withdrawing of Rs 400.00, Rs 300.00 and it throws exception "Not Sufficient Fund" when user withdraws Rs. 500 thereafter.

PROGRAM:

```java
import java.util.Scanner;
class MyException1 extends Exception
{
        public  MyException1(double a)
        {
                double balance=a;
                System.out.println("Not Sufficient fund.");
                System.out.println("Total balance "+balance);


        }
}
class Bank1
{
        double balance=0;
        void deposite(double ubalance)
        {


                balance=balance+ubalance;
                System.out.println(ubalance+"rs are being deposited");
                System.out.println("updated balance : "+balance);
        }
        void withdraw(double zbalance)
```

```
                {
                        try
                        {
                                if((balance - zbalance)<0)
                                {
                                        System.out.println("Attempt to withdraw " + zbalance + " rupees
is failed.");

                                        throw new MyException1(balance);
                                }
                                else
                                {
                                        balance=balance-zbalance;

                                        System.out.println(zbalance+"rs are being withdrawed");

                                        System.out.println("updated balance : "+balance);
                                }
                        }
                        catch(MyException1 )
                        {
                                System.out.println();
                        }
                }
        }
        public class P24_7059
        {
                public static void main(String[] args)
                {
                        Scanner sc=new Scanner(System.in);

                        Bank1 b1=new Bank1();

                        int ch;

                        int dp;

                        int wd;
```

```java
        while(true)
        {
                System.out.println(" 1.deposit\n 2.withdraw\n 3.Exit\n");
                System.out.println("Enter your choice ");
                ch=sc.nextInt();

        switch(ch)
        {
                case 1:
                        System.out.println("enter the amount to deposit");
                        dp=sc.nextInt();
                        b1.deposite(dp);
                        break;
                case 2:
                        System.out.println("enter the amount to withdraw");
                        wd=sc.nextInt();
                        b1.withdraw(wd);
                        break;

                case 3:
                        System.exit(0);
                        break;
                default:

                        System.out.println("wrong input");
                        break;


        }
        }
```

```
        }

    }
```

OUTPUT:

```
C:\Windows\System32\cmd.exe - java P24_7059
Microsoft Windows [Version 10.0.18362.1082]
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C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>javac P24_7059.java

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>java P24_7059
 1.deposit
 2.withdraw
 3.Exit

Enter your choice
1
enter the amount to deposit
1000
1000.0rs are being deposited
updated balance : 1000.0
 1.deposit
 2.withdraw
 3.Exit

Enter your choice
2
enter the amount to withdraw
400
400.0rs are being withdrawed
updated balance : 600.0
 1.deposit
 2.withdraw
 3.Exit

Enter your choice
2
enter the amount to withdraw
300
300.0rs are being withdrawed
updated balance : 300.0
 1.deposit
 2.withdraw
 3.Exit

Enter your choice
2
enter the amount to withdraw
500
Attempt to withdraw 500.0 rupees is failed.
Not Sufficient fund.
Total balance 300.0
MyException1
 1.deposit
 2.withdraw
```