```java
LessBalanceException.java

1    import java.io.*;
2    import java.lang.*;
3    class LessBalanceException extends Exception
4    {
5        LessBalanceException(double amt)
6        {
7            System.out.println("Withdrawing "+amt+" is invlaid");
8        }
9    }
10   class Account
11   {
12       static int count=0;
13       int accno;
14       double bal;
15       String name;
16       Account(double bal,String n,int accno)
17       {
18           System.out.println("\nNew Account opened....!!");
19           this.bal=bal;
20           count++;
21           System.out.println("Account Holder Name : " + n);
22           name=n;
23           System.out.println("Your Account Number is : "+accno);
24           this.accno=accno;
25           System.out.println("Total number of accounts : "+count);
26
```

```java
class AccountDemo
{
    static int i=0;
    public static void main(String argv[]) throws IOException
    {
        Account ob[]=new Account[10];
        BufferedReader br=new BufferedReader(new InputStreamReader(System.in));
        double amt;
        String name;
        int ch,accno,k;
        boolean t=false;
        while(true)
        {
            System.out.println("\n*** Bank Transaction ***");
            System.out.println("1.Open new Account\n2.Deposit");
            System.out.println("3.Withdraw\n4.Balance\n5.Exit");
            System.out.print("Enter your choice : ");
            ch=Integer.parseInt(br.readLine());
            switch(ch)
            {
                case 1:
                    System.out.println("Opening New Account : ");
                    System.out.print("Enter your name : ");
                    name=br.readLine();
                    System.out.print("\nEnter Account Number : ");
                    accno=Integer.parseInt(br.readLine());
                    System.out.print("\nEnter initial amount(to be >=500) : ");
```

```java
void deposit(double amt)
{

    System.out.println("Availabe Balance : "+bal);
    bal=bal+amt;
    System.out.println("Rs. : "+amt+" /- Created");
    System.out.println("Balance : "+bal);

}
void withdraw(double amt) throws LessBalanceException
{

    System.out.println("\nAvailabe Balance : "+bal);
    bal-=amt;
    if(bal<500)
    {

        bal+=amt;
        throw new LessBalanceException(amt);

    }
    System.out.println("Rs. : "+amt+ "/-Debited");
    System.out.println("Balacne : "+bal);

}
void balance()
{

    System.out.println("\nCustomer information");
    System.out.println("=============================================");
    System.out.println("Customer Name : "+name);
    System.out.println("Account Number : "+accno);
    System.out.println("Balance : "+bal);
```

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                        accno=Integer.parseInt(br.readLine());
                        System.out.print("\nEnter initial amount(to be >=500) : ");
                        amt=Double.parseDouble(br.readLine());
                        if(amt<500)
                            System.out.println("You cannot create an account with less than
                        else
                        {
                            ob[i]=new Account(amt,name,accno);
                            i++;
                        }
                        break;

                    case 2:
                        System.out.print("\nEnter Account number : ");
                        accno=Integer.parseInt(br.readLine());
                        for(k=0;k<i;k++)
                            if(accno==ob[k].accno)
                            {
                                t=true;
                                break;
                            }

                        if(t)
                        {
                            System.out.print("\nEnter the Amount for Deposit : ");
                            amt=Double.parseDouble(br.readLine());
                            ob[k].deposit(amt);
                        }
                        else
```

```java
                ob[k].deposit(amt);
        }
        else
            System.out.println("Invalid Account Number...!!!");
        t=false;
        break;

    case 3:
        System.out.print("\nEnter Account number : ");
        accno=Integer.parseInt(br.readLine());
        for(k=0;k<i;k++)
            if(accno==ob[k].accno)
            {
                t=true;
                break;
            }

        if(t)
        {
            System.out.print("\nEnter the Amount for Withdraw : ");
            amt=Double.parseDouble(br.readLine());
            try
            {
                ob[k].withdraw(amt);
            }
            catch(LessBalanceException e)
            {}
        }
```

```java
                    }
                catch(LessBalanceException e)
                    {}
            }
            else
                System.out.println("Invalid Account Number...!!!");
            t=false;
            break;


        case 4:
            System.out.print("\nEnter Account number : ");
            accno=Integer.parseInt(br.readLine());
            for(k=0;k<i;k++)
                if(accno==ob[k].accno)
                {
                    t=true;
                    break;
                }

            if(t)
            {
                //System.out.println(accno +" asdfsdf " +ob[k].accno);
                ob[k].balance();
            }
            else
                System.out.println("Invalid Account Number...!!!");
            t=false;
            break;
```

```java
                    if(accno==ob[k].accno)
                    {
                            t=true;
                            break;
                    }

                if(t)
                {
                        //System.out.println(accno +" asdfsdf " +ob[k].accno);
                        ob[k].balance();
                }
                else
                    System.out.println("Invalid Account Number...!!!");
                t=false;
                break;

            case 5:
                System.exit( status: 1);
            default: System.out.println("Invalid Choice !!!");
            }
        }
    }
}
```

```
*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 1
Opening New Account :
Enter your name : dhananjay


Enter Account Number : 12345678


Enter initial amount(to be >=500) : 250
You cannot create an account with less than Rs.500/-
```