

```
import java.io.*;
import java.lang.*;
class LessBalanceException extends Exception
{
    LessBalanceException(double amt)
    {
        System.out.println("Withdrawing "+amt+" is invlaid");
    }
}
class Account
{
    static int count=0;
    int accno;
    double bal;
    String name;
    Account(double bal,String n,int accno)
    {
        System.out.println("\nNew Account opened....!!");
        this.bal=bal;
        count++;
        System.out.println("Account Holder Name : " + n);
        name=n;
        System.out.println("Your Account Number is : "+accno);
        this.accno=accno;
        System.out.println("Total number of accounts : "+count);
    }
    void deposit(double amt)
    {
        System.out.println("Availabe Balance : "+bal);
        bal=bal+amt;
        System.out.println("Rs. : "+amt+" /- Created");
        System.out.println("Balance : "+bal);
    }
}
```

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    }
    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("\n*****Customer information*****");
        System.out.println("=====");
        System.out.println("Customer Name : "+name);
        System.out.println("Account Number : "+accno);
        System.out.println("Balance : "+bal);
    }
}
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) : ");
            amt=Double.parseDouble(br.readLine());
            if(amt<500)
            System.out.println("You cannot create an account with less than Rs.500/-");
            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;
            }
    }
}

```

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```
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
```

```
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)
```



```
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)
    {}
}
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();
    }
}
```

```
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;

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

Microsoft Windows [Version 10.0.19042.1052]
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C:\Users\DELL>cd desktop

C:\Users\DELL\Desktop>cd java

C:\Users\DELL\Desktop\java>javac AccountDemo.java

C:\Users\DELL\Desktop\java>java AccountDemo

***** Bank Transaction *****

1.Open new Account

2.Deposit

3.Withdraw

4.Balance

5.Exit

Enter your choice : 1

Opening New Account :

Enter your name : Astha

Enter Account Number : 2485435232

Exception in thread "main" java.lang.NumberFormatException: For input string: "2485435232"
at java.base/java.lang.NumberFormatException.forInputString(NumberFormatException.java:67)
at java.base/java.lang.Integer.parseInt(Integer.java:660)
at java.base/java.lang.Integer.parseInt(Integer.java:778)
at AccountDemo.main(AccountDemo.java:81)

C:\Users\DELL\Desktop\java>