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Course - MCA (B)
Subject - Java Programming
Roll no. - 2001145

Q 2

```
import java.io.*;
import java.lang.*;
class LessBalanceException extends Exception
{
LessBalanceException(double amt)
{
System.out.println("Withdrawing "+amt+" is invalid");
}
}

class Account
{
static int count=0;
int accno;
double bal;
String name;
Account(double bal, String n, int accno)
{
System.out.println("new 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 account :"+count);
}
void deposit (double amt)
{
System.out.println("Available balance:"+bal);
bal = bal + amt;
System.out.println("Rs.:"+amt+"/- credited");
System.out.println("Balance :"+bal);
}
void withdraw (double amt) throws LessBalance
                                  Exception
{
System.out.println("Available balance:"+bal);
bal -= amt;
if (bal < 500)
{
bal += amt;
throw new LessBlanceException(amt);
}
System.out.println("Rs:"+amt+"/- debited");
System.out.println("Balance:"+bal);
}
```

```
void balance ()
 {
 System.out.println (" Customer information ");
 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 ("Bank transaction ");
 System.out.println (" 1. open new Account 2. Deposit");
```

```
System.out.println(" 3. withdraw 4. Balance 5.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.println("Enter Account number");
 acno = Integer.parseInt(amount(tobe >=500:"));
 amt = Double.parseDouble(br.readline());
 if(amt<500)
  System.out println("you cannot an account
with less than Rs.500/-");
 else
 {
 ob[i] = new Account(amt, name, acno);
   i++;

 }

 break;
```

Case 2:

```
System.out.print("Enter Account no.:");
accno = Integer.ParseInt(br.readline());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
t=true;
break;
}

if(t)
{
System.out.print("Enter the Amount for deposit:");
amt = Double.parseDouble(br.readline());
ob[k].deposit(amt);
}
```

Case 3:

```
System.out.print("Enter Account number:");
accno = Integer.parseInt(br.readline());
for(k=0;k<i;k++)
if(accno==ob[k].accno)
{
t=true;
Break;
}
```

```
Case 4
  System.out.print("Enter Account no:");
   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();
   }
Case 5:
 System.Exit(1);
 default:System.out.println("Invalid choice!!!");
 }
}
}
```