

Shubham Rawat

MCA - 2B

2001147

TMC - 202

MCA - 2B

## Java Programming

Q2)

```
import java.io.*;
```

```
import java.lang.*;
```

```
class InsBalanceException extends  
Exception
```

```
{
```

```
    InsBalanceException(double amt) {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("In 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.acno = accno;

System.out.println("Total number of  
accounts: " + count);

}

void deposit(double amt)

```
System.out.println (" Available Balance : " + bal);
```

```
bal = bal + amt;
```

```
System.out.println (" Rs : " + amt + " /- Created");
```

```
System.out.println (" Balance : " + bal);
```

```
}
```

```
void withdraw (double amt) throws
```

```
Access Balance Exception
```

```
{
```

```
System.out.println (" Rs : " + amt + " /- Debited");
```

```
System.out.println (" Balance : " + bal);
```

```
}
```

```
void balance ()
```

```
{
```

```
System.out.println ("\n Customer Information");
```

```
System.out.println (" = = = = = ... = =");
```

```
System.out.println (" Customer name : " + name);
```

```
" " (" Account Number : " + accno);
```

```
" " (" Balance : " + bal);
```

```
}
```

```
}
```



Class Account Demo.

{

static int i = 0;

public static void main (String args [])

throws IOException

{

Account ob (~~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 ("In \*\*\* Bank Transaction \*\*\*");

" 1 (1. Open new Account In 2. Deposit);

" 3 (3. Withdraw In 4. Balance) (Sent);

" (" 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 ("Enter Account Number:");

acno = Integer.parseInt ("br.readLine());

System.out.print ("Enter initial amount  
(to be > = 500):");

amt = Double.parseDouble (br.readLine());

if (amt < 500)

System.out.println ("You cannot create  
an account just less than Rs 500/-");

else

{

ob[i] = new Account ("amt, name,  
acno);

i++;

}

break;

Case 2:

```
System.out.print ("In Enter Account number:");
```

```
acno = Integer.parseInt ("br.read line());
```

```
for (k=0; k<i; k++)
```

```
if (acno == ob(k).acno)
```

```
{
```

```
    t = true;
```

```
    break;
```

```
}
```

```
if (t)
```

```
{
```

```
    System.out.print ("In Enter the Amount
```

```
    for deposit:");
```

```
}
```

```
else
```

```
System.out.println ("Invalid Account
```

```
Number ... !!!");
```

```
t = false;
```

```
break;
```

Case 3:

```
system.out.println("Enter Account Number:");
```

```
acno = Integer.parseInt(br.readLine());
```

```
for (k = 0; k < i; k++)
```

```
if (acno == ob[k], acno)
```

```
{
```

```
    t = true;
```

```
    break;
```

```
}
```

```
if (t)
```

```
{ system.out.print("Enter the amt of withdraw:");
```

```
amt = double.parseDouble(br.readLine());
```

```
try
```

```
{
```

```
    ob[k].withdraw(amt);
```

```
}
```

```
catch (ZeroBalanceException e)
```

```
{ }
```

```
}
```

```
else
```

```
system.out.println("Invalid Account No.");
```

```
t = false;
```

```
break;
```



Case 4

System.out.println("Enter Account Number:");

acno = Integer.parseInt(br.readLine());

for (k = 0; k < i; k++)

if (k = 0; k < i; k++)

if (acno == ob[k].acno)

{

t = true

break;

}

if (t)

{

// System.out.println(acno + " is valid")

+ ob[k].acno);

ob[k].balance();

}

else

System.out.println("Invalid account No");

t = false;

break;

Case 5:

System.out.println();

} } } default: System.out.println("Invalid Choice !!!");