**Q2:**

Naveen Singh
MCA - 2B
Student ID - 20561034
Rollno - 2001091

Q2→

Source code:

```
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("\n 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 accounts"+
                                        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 LessBalanceE
                                        xception
     {
     System.out.println("\n Available Balance :"+bal);
      bal-=amt;
       if(bal<500)
       {
       bal+=amt;
       throws new
       LessBalanceException(amt);
       }
      System.out.println("Rs. :"+amt+" /- Debited");
      System.out.println("Balance :"+Bal);
       }
```

```
switch(ch)
{
case 1:
System.out.println("Opening New Account:");
System.out.println("Enter your name:");
name = br.readLine();
System.out.println("\nEnter Account Number:");
accno = Integer.parseInt(br.readLine());
System.out.println("\nEnter initial amount (
                    to be >=500):");

amt = Double.parseDouble(br.readLine());
if (amt < 500)
System.out.println("% a cannot create account");
 else
 {
  ob[i] = new Account(amt, name, accno);
   i++; }
 break;

 case 2:
   System.out.println("\n Enter Account number:");
   account accno = Integer.parseInt(br.readLine());
    for (k=0; k < i; k++)
     if (accno == ob[k].accno)

     { f = true;
       break;
     }
     if (f)
     {
     System.out.print("\n Enter amount for
                       Deposit:");
    amt = Double.parseDouble(br.readLine());
```

```
void balance()
{
System.out.println("in 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 args[]) throws
                                    IOsException
{
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("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());
```

```
of[k].deposit(amt);
}
case 4:
System.out.print("\n Enter Account number");
accno = Integer.parseInt(br.readLine());
for(k=0; k<i; k++)
if(accno == of[k].accno)
{
t = true;
break; }
if(t)
{
System.out.println(accno + "asdfsdf"
+ of[k].accno);
of[k].balance();
}
else
System.out.println("Invalid Account");
t = false;
break;
case 5: System.exit(1);
default: System.out.println("Invalid
choice !!!");
}
}
```