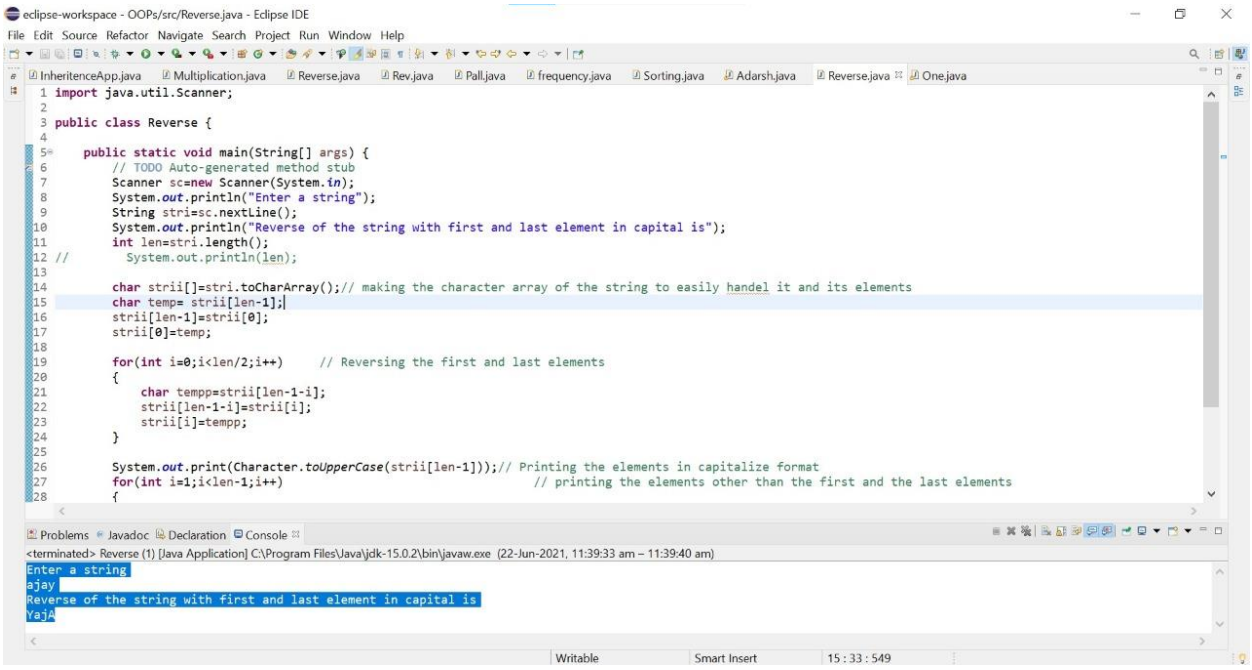
1. Write a Java Program which, prints the elements of a string in such a way that the first and last element of the string are printed in Upper case and the intermediate elements are printed in reverse order.(do not use inbuilt function for reverse)

```
import java.util.Scanner;

public class Reverse {

     public static void main(String[] args) {
          // TODO Auto-generated method stub
          Scanner sc=new Scanner(System.in);
          System.out.println("Enter a string");
          String stri=sc.nextLine();
          System.out.println("Reverse of the string with
first and last element in capital is");
          int len=stri.length();
         System.out.println(len);

         char strii[]=stri.toCharArray();
          char temp= strii[len-1];
          strii[len-1]=strii[0];
          strii[0]=temp;

         for(int i=0;i<len/2;i++)
         {
             char tempp=strii[len-1-i];
             strii[len-1-i]=strii[i];
             strii[i]=tempp;
         }

         System.out.print(Character.toUpperCase(strii[len-
1]));
         for(int i=1;i<len-1;i++)
         {
             System.out.print(strii[i]);
```

```
        }
        System.out.print(Character.toUpperCase(strii[0]));
          sc.close();
    }

}
```



2. Write a Java Program that has a Class Which Creates Account, perform Deposite Money and Tries to WithDraw more Money Which Generates a LessBalanceException. Create BankAccount with 500 Rs Minimum Balance, Deposit Amount, Withdraw Amount and Also Throws LessBalanceException.Class LessBalanceException returns the Statement that Says WithDraw Amount(_Rs) is Not Valid.

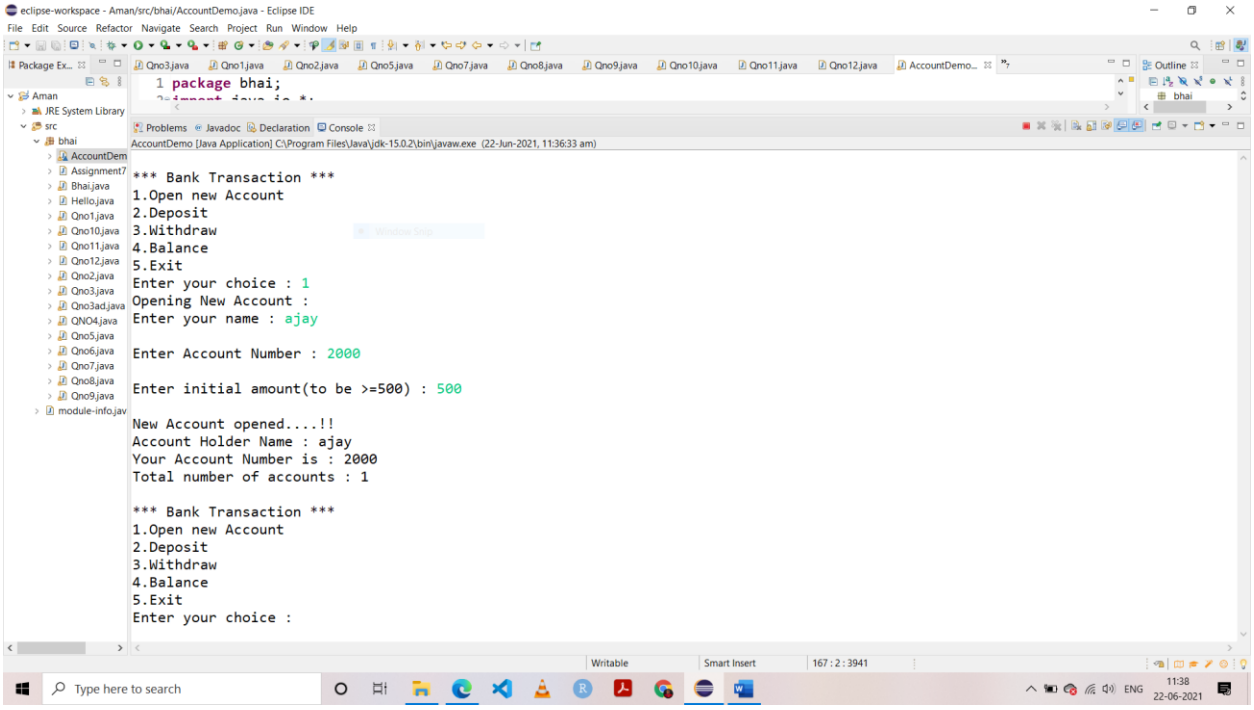
```
package bhai;
import java.io.*;
import java.lang.*;
class LessBalanceException extends Exception
{
 LessBalanceException(double amt)
 {
 System.out.println("Withdrawing "+amt+" is invlaid");
 }
}
class Account
{
 static int count=0;
 int accno;
 double bal;
 String name;
 Account(double bal,String 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);
 }
 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);
 }
}
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;
   }

   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)
{
 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();
    }
    else
    System.out.println("Invalid Account Number...!!!");
    t=false;
    break;

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


eclipse-workspace - Aman/src/bhai/AccountDemo.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Ex...
Aman
JRE System Library
src
bhai
AccountDem
Assignment7
Bhai.java
Hello.java
Qno1.java
Qno10.java
Qno11.java
Qno12.java
Qno2.java
Qno3.java
Qno3ad.java
QNO4.java
Qno5.java
Qno6.java
Qno7.java
Qno8.java
Qno9.java
module-info.jav
Qno3.java Qno1.java Qno2.java Qno5.java Qno7.java Qno8.java Qno9.java Qno10.java Qno11.java Qno12.java AccountDemo...
1 package bhai;
Outline
bhai
Problems Javadoc Declaration Console
AccountDemo [Java Application] C:\Program Files\Java\jdk-15.0.2\bin\javaw.exe (22-Jun-2021, 11:36:33 am)
*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice : 1
Opening New Account :
Enter your name : ajay
Enter Account Number : 2000
Enter initial amount(to be >=500) : 500
New Account opened....!!
Account Holder Name : ajay
Your Account Number is : 2000
Total number of accounts : 1
*** Bank Transaction ***
1.Open new Account
2.Deposit
3.Withdraw
4.Balance
5.Exit
Enter your choice :
Writable
Smart Insert
167 : 2 : 3941
Type here to search
ENG
11:38
22-06-2021