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Isoft Java Morning Batch **:9:30 to 11:30am**

Assignment 4 :

Illustrating the use of ArrayList and we are printing the elements of more than 1 Object belonging to the “User” class :

**import** java.util.ArrayList;

**import** java.util.Scanner;

**class** User

{

**private** **int** id;

**private** String name;

**private** String password;

**private** String email;

**private** String sex;

**private** String country;

**public** **void** setId(**int** id)

{

**this**.id=id;

}

**public** **int** getId()

{

**return** id;

}

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** String getPassword() {

**return** password;

}

**public** **void** setPassword(String password) {

**this**.password = password;

}

**public** String getEmail() {

**return** email;

}

**public** **void** setEmail(String email) {

**this**.email = email;

}

**public** String getSex() {

**return** sex;

}

**public** **void** setSex(String sex) {

**this**.sex = sex;

}

**public** String getCountry() {

**return** country;

}

**public** **void** setCountry(String country) {

**this**.country = country;

}

}

**public** **class** ArrayListDemo

{

**public** **static** **void** main(String args[])

{

// 1st object of User

User a1 = **new** User();

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("enter the id :");

**int** a;

a = s.nextInt();

a1.setId(a);

System.***out***.println("enter the name :");

String b ;

b= s.next();

a1.setName(b);

System.***out***.println("enter the password :");

String c;

c= s.next();

a1.setPassword(c);

System.***out***.println("enter the email :");

String d;

d= s.next();

a1.setEmail(d);

System.***out***.println("enter the Sex :");

String e;

e= s.next();

a1.setSex(e);

System.***out***.println("enter the country :");

String f;

f= s.next();

a1.setCountry(f);

ArrayList<User> al= **new** ArrayList<User>();

al.add(a1);

System.***out***.println("elements of 1st object a1 :");

**for**(User a11 : al)

{

System.***out***.println(a11.getId());

System.***out***.println(a11.getName());

System.***out***.println(a11.getPassword());

System.***out***.println(a11.getEmail());

System.***out***.println(a11.getSex());

System.***out***.println(a11.getCountry());

}

//After printing the elements of an object , never forget to remove that object //from the arraylist.

al.remove(a1);

System.***out***.println("Now we are creating elements for object2");

// 2nd object of User

User a2 = **new** User();

System.***out***.println("enter the id :");

a= s.nextInt();

a2.setId(a);

System.***out***.println("enter the name :");

b= s.next();

a2.setName(b);

System.***out***.println("enter the password :");

c= s.next();

a2.setPassword(c);

System.***out***.println("enter the email :");

d= s.next();

a2.setEmail(d);

System.***out***.println("enter the sex :");

e= s.next();

a2.setSex(e);

System.***out***.println("enter the country :");

f= s.next();

a2.setCountry(f);

al.add(a2);

System.***out***.println("elements of 2nd object a2 :");

**for**(User a11 : al)

{

System.***out***.println(a11.getId());

System.***out***.println(a11.getName());

System.***out***.println(a11.getPassword());

System.***out***.println(a11.getEmail());

System.***out***.println(a11.getSex());

System.***out***.println(a11.getCountry());

}

//After printing the elements of an object , never forget to remove that

// object from the arraylist.

al.remove(a2);

}

}

Output:

enter the id :

1

enter the name :

pradeep

enter the password :

pass1

enter the email :

prad@yahoo.com

enter the Sex :

M

enter the country :

India

elements of 1st object a1 :

1

pradeep

pass1

prad@yahoo.com

M

India

Now we are creating elements for object2

enter the id :

2

enter the name :

Ashok

enter the password :

pass2

enter the email :

ashok@hotmail.com

enter the sex :

M

enter the country :

Tibet

elements of 2nd object a2 :

2

Ashok

pass2

ashok@hotmail.com

M

Tibet