Name of the Course : Java SE8 Developer Bootcamp

Level : Easy

Tool Stack : Java 8

Problem Statement : Provide a code solution to check the number of users created in an application session.

Description : Create User class with following attributes and parameterised constructor .

|  |  |
| --- | --- |
| username | String |
| email | String |
| count | integer-static |
| Carr | User[]-static |

and another MainClass with main method.

Provide ways to add multiple user to the application to an array , the count variable should hold/display the number of users created in the session.

create a method addUser(User usr) which will add the user object to the user array and return the count.

sample Input : ashok ,[ashok@gmail.com](mailto:jagadesh@gmail.com)

sample output : User added , count : 1

Code :

import java.util.Scanner;

public class User {

String name;

String email;

static int count ;

static User[] uarr= new User[10];

public User(String name, String email) {

super();

this.name = name;

this.email = email;

count++;

}

public static int addUser(User usr)

{

for (int i = 0; i < uarr.length; i++) {

if (uarr[i] == null) {

uarr[i]=usr;

break;

}

else continue;

}

return count;

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

for (int i = 0; i < uarr.length; i++) {

System.out.println("Enter user details :q to quit");

String istr=sc.nextLine();

if (istr.equalsIgnoreCase("q") )break;

String[] iarr = istr.split(",");

User usr1 = new User(iarr[0], iarr[1]);

System.out.println("User added .Count = "+ addUser(usr1));

}

}

public String getName() {

return name;

}

public void setName(String name) {

this.name = name;

}

public String getEmail() {

return email;

}

public void setEmail(String email) {

this.email = email;

}

public static int getCount() {

return count;

}

public static void setCount(int count) {

User.count = count;

}

}

Junit Testing :

**import** **static** org.junit.Assert.*assertEquals*;

**import** org.junit.Test;

**import** handson.User;

**public** **class** TestUser {

@Test

**public** **void** testUser() {

User usr = **new** User("Ramesh","ramesh@gmail.com");

*assertEquals*(1 ,User.*addUser*(usr));

User usr1 = **new** User("gita","gita@gmail.com");

*assertEquals*(2 ,User.*addUser*(usr1));

}

}

Sample Data 1:

Enter User Details:

raja ,[raja@gmail.com](mailto:raja@gmail.com)

sample output :

user added , count : 1

Sample Data 2

Enter User Details: q to quit

raja ,[raja@gmail.com](mailto:raja@gmail.com)

sample output :

user added , count : 1

Enter User Details: q to quit

gita ,[gita@gmail.com](mailto:gita@gmail.com)

user added ,count :2