Write a program to find the number of student users in the college, get the total users, staff users details from the client. Note for every 3 staff user there is one Non teaching staff user assigned by default

CODE:

import java.util.Scanner;

class User {

String name;

String role;

User(String name, String role) {

this.name = name;

this.role = role;

}

}

public class CollegeUsers {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input number of student users

System.out.print("Enter the number of student users: ");

int numStudents = scanner.nextInt();

// Input total number of users

System.out.print("Enter the total number of users: ");

int totalUsers = scanner.nextInt();

// Input details of staff users

System.out.println("Enter details of staff users:");

User[] staffUsers = new User[totalUsers];

for (int i = 0; i < totalUsers; i++) {

System.out.print("Enter name of user " + (i + 1) + ": ");

String name = scanner.next();

System.out.print("Enter role of user " + (i + 1) + " (Teaching/Non-Teaching): ");

String role = scanner.next();

staffUsers[i] = new User(name, role);

}

// Calculate number of non-teaching staff users

int numNonTeachingStaff = totalUsers / 3;

// Display results

System.out.println("\nNumber of student users: " + numStudents);

System.out.println("Total number of users: " + totalUsers);

System.out.println("Number of non-teaching staff users: " + numNonTeachingStaff);

System.out.println("\nDetails of staff users:");

for (int i = 0; i < totalUsers; i++) {

System.out.println("Name: " + staffUsers[i].name + ", Role: " + staffUsers[i].role);

}

scanner.close();

}

}

OUTPUT:

C:\javap>javac CollegeUsers.java

C:\javap>java CollegeUsers

Enter the number of student users: 3

Enter the total number of users: 5

Enter details of staff users:

Enter name of user 1: Asha

Enter role of user 1 (Teaching/Non-Teaching): Teaching

Enter name of user 2: Sudhakar

Enter role of user 2 (Teaching/Non-Teaching): Teaching

Enter name of user 3: Prithvi

Enter role of user 3 (Teaching/Non-Teaching): Non-Teaching

Enter name of user 4: Aashrita

Enter role of user 4 (Teaching/Non-Teaching): Non-Teaching

Enter name of user 5: Kalyan

Enter role of user 5 (Teaching/Non-Teaching): Non-Teaching

Number of student users: 3

Total number of users: 5

Number of non-teaching staff users: 1

Details of staff users:

Name: Asha, Role: Teaching

Name: Sudhakar, Role: Teaching

Name: Prithvi, Role: Non-Teaching

Name: Aashrita, Role: Non-Teaching

Name: Kalyan, Role: Non-Teaching

