Course

package Program02;

import java.util.ArrayList;

public class Course {

    private ArrayList<Student> student; // 5..60

    private ArrayList<Faculty> faculty; // 0..2

    private String name;

    private int credit;

    private int indexOfStudent; //0

    private int indexOfFaculty; //0

    public Course() {

    }

    public Course(String name, int credit) {

        this.name = name;

        this.credit = credit;

        this.student = new ArrayList<Student>(); // composition

        this.faculty = new ArrayList<Faculty>();

    }

    public void addStudent(Student student) {

        this.student.add(student);

        this.indexOfStudent++;

    }

    public void addFaculy(Faculty faculty) {

        this.faculty.add(faculty);

        this.indexOfFaculty++;

    }

    String displayStudent() {

        String s = "";

        for (int i = 0; i < student.size(); i++) {

            s += student.get(i).toString();

            s += " ";

        }

        return s;

    }

    String displayFaculty() {

        String s = "";

        for (int i = 0; i < faculty.size(); i++) {

            s += faculty.get(i).toString();

            s += " ";

        }

        return s;

    }

    public void dropStudent(String name){

        for(int i = 0 ; i < student.size() ; i++){

            if(name.equals(student.get(i).name)){

                student.remove(i);

            }

        }

    }

    public void clear(){

        student.clear();

    }

    @Override

    public String toString() {

        return "Course{" + "student=" + displayStudent() + ", faculty=" + displayFaculty() + ", name=" + name + ", credit=" + credit + '}';

    }

}

class Student {

    String name;

    int id;

    char gender;

    public Student(String name, int id, char gender) {

        this.name = name;

        this.id = id;

        this.gender = gender;

    }

    @Override

    public String toString() {

        return "Student{" + "name=" + name + ", id=" + id + ", gender=" + gender + '}';

    }

}

class Faculty {

    String name;

    String position;

    public Faculty(String name, String position) {

        this.name = name;

        this.position = position;

    }

    @Override

    public String toString() {

        return "Faculty{" + "name=" + name + ", position=" + position + '}';

    }

}

TestCourse

package Program02;

public class TestCourse {

    public static void main(String[] args) {

        Course c1 = new Course("OOP",1);

        Student s1 = new Student("Patipat", 1, 'm');

        Student s2 = new Student("Boonyawee",2,'f');

        Student s3 = new Student("Kumpanat",3,'m');

        c1.addStudent(s1);

        c1.addStudent(s2);

        c1.addStudent(s3);

        c1.dropStudent("Kumpanat");

        System.out.println(c1.displayStudent());

    }

}