```
//>>>>>>>>>>>>
public class Student {
```

```
private int StudentId;
private String StudentName;
private int StudentAge;
public Student(){
        StudentId=0;
        StudentName="";
        StudentAge=0;
Student(int stuId, String stuName, int age)
{
        StudentId=stuId;
        StudentName=stuName;
        StudentAge=age;
public int getStudentId() {
        return StudentId;
}
public void setStudentId(int studentId) {
        StudentId = studentId;
}
public String getStudentName() {
        return StudentName;
public void setStudentName(String studentName) {
        StudentName = studentName;
}
public int getStudentAge() {
        return StudentAge;
}
public void setStudentAge(int studentAge) {
        StudentAge = studentAge;
}
}
```

```
public class Section {
private String ClassId;
private Student ArrayStu[];
private int nb;
Section(){
        ClassId="CSC113";
        ArrayStu=new Student[50];
        nb=0;
}
boolean addStudent(Student stu)
        boolean result;
        if(nb<ArrayStu.length)</pre>
                ArrayStu[nb]=stu;
                nb++;
                result=true;
        }
        else
                result=false;
        return result;
void searchStudent(int id){
        int i=searchindex(id);
        if(i!=-1)
System.out.print("Id=" + ArrayStu[i].getStudentId()+ " Name:"+
ArrayStu[i].getStudentName());
                System.out.println("
Age:"+ArrayStu[i].getStudentAge());
                return;
        }
        System.out.println("Not Found");
int searchindex(int id)
{
        for(int i=0;i<nb;i++)</pre>
                if(id==ArrayStu[i].getStudentId())
                       return i;
        return -1;
void deleteStudent(int id)
        int i=this.searchindex(id);
        if(i!=-1)
        {
                this.ArrayStu[i]=this.ArrayStu[nb-1];
```

```
nb--;
        }
}
}
//>>>>>>>>>>>>>>>
import java.util.*;
public class Test {
        public static void main(String[] args) {
                Scanner s=new Scanner(System.in);
                Section csc113=new Section();
                int c;
                do{
                        System.out.println("1:
add\n2:search\n3:delete\n4:exit");
                        c=s.nextInt();
                        switch(c){
                        case 1://add
                                System.out.println("enter
id, name, age");
                                Student s1=new
Student(s.nextInt(),s.next(),s.nextInt());
                                csc113.addStudent(s1);
                                break;
                        case 2://search
                                System.out.println("enter Id
to search");
csc113.searchStudent(s.nextInt());
                                break;
                        case 3://delete
                                System.out.println("enter Id
to search");
csc113.deleteStudent(s.nextInt());
                                break;
                        }
                \} while (c!=4);
        }
}
```