//>>>>>>>>>>>>>>>>>>>>>>>>>>>

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)  
        {  
                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++)  
                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);  
                  
              
        }  
}