1. Use this structure to create an array of 10 students:

```
struct PersonInfo
{
    string name,
        address,
        city;
};
struct Student
{
    int studentID;
    PersonInfo  pData;
    short     year;
    double    gpa;
};
```

Create a function that fills all the arrays. Create another function that displays all the students. Use Linear search to look for a student using his name. Use binary search to look of a student using his city.