

Use the following structure and variable declarations to answer the following questions. For the description of each data element listed, show:

1. the syntax necessary to extract that data element
2. the type of the element extracted

i.e., if you were going to pass that the specified data element to a function, '1' would be what you would use for the argument and '2' would be how you would define the parameter.

```
struct address_type
{
    int    zip_code;
    char   city[30];
};

struct course_type
{
    int    section_num;
    int    credit_hours;
};

struct student_type
{
    string    name;
    string    ssn;
    course_type    courses[10];
    address_type    address;
};

student_type myclass[100];
```

The first student

The name of the first student

The address of the first student

The zip code of the first student

The array of courses taken by the first student

The entire array of students

The SSN of the first student

The city of the first student

The first course taken by the first student

The first letter of the city of the first student

The section number of the first course taken by the first student

The credit hours for the first course taken by the first student