**Nesting structures.**

Structures can also be nested in such a way that an element of a structure is itself another structure:

|  |  |  |
| --- | --- | --- |
| 1 2 3 4 5 6 7 8 9 10 11 12 | struct movies\_t {  string title;  int year;  };  struct friends\_t {  string name;  string email;  movies\_t favorite\_movie;  } charlie, maria;  friends\_t \* pfriends = &charlie; |  |

After the previous declarations, all of the following expressions would be valid:

|  |  |  |
| --- | --- | --- |
| 1 2 3 4  5 | charlie.name  maria.favorite\_movie.title  charlie.favorite\_movie.year  pfriends->favorite\_movie.year  (\*pfriends).favorite\_movie.year |  |

(where, by the way, the last three expressions refer to the same member).