Exercises

Consider the following structures and variable declarations.

```
struct STRUCT1
{
  int i;
  double d;
};

struct STRUCT2
{
  float f;
  long  l;
};

STRUCT1 struct1_var = {3, 7.5};
STRUCT2 struct2_var;
```

Write a program containing these declarations and make the assignment   struct2_var = struct1_var. What happens? Does the program compile? If it compiles, what gets assigned to struct2_var?

Programming Problems

1. **Define a structure type STUDENT_STRUCT described as follows:**
    A 30-character name, a 9-digit student ID number, a 3-character student class, a 2-character grade, a 5-character course code, a 16-character course name.

2. **Define a structure type JUROR_STRUCT described as follows.**
    The first member is a structure containing the juror's name, street address, city, and zip code. The second member of JUROR_STRUCT is also a structure, which contains a five-character court code followed by a six-character date

3. **Define a structure type EMPLOYEE_STRUCT described as follows.**
    The first member is a structure containing the employee's name, social security number, street address, city, and zip code.
    The second member of EMPLOYEE_STRUCT is also a structure. This structure contains the employee's initial date of employment in mm/yy/dd form, the employee's hourly pay rate, and the employee's number of dependents.