Problem Set 4 Exercise #13: The Younger One

Reference: Lecture 11 notes

Learning objective: Nested structures

Estimated completion time: 30 minutes

Problem statement:

Write a program **younger.c** to:

- Create a **`date_t`** structure type that contains 3 integer members representing *day*, *month* and year.
- Create a **`person_t`** structure type that contains 2 members: *name* and *birthday*. Name is a single word of up to 10 characters; birthday is of type **`date_t`**.
- Declare two structure variables *person1* and *person2* of **`person_t`** type, read in their particulars, and print out the name of the younger person.

Your program should contain at least two functions: **`scan_person()`** to read and return information of a person, and **`is_younger()`** to compare the ages of two persons.

Sample run #1:

```
Particular of 1st person: Adam 31 3 1990
Particular of 2nd person: Alice 30 3 1990
Adam is younger
```

Sample run #2:

```
Particular of 1st person: Tom 1 7 1992
Particular of 2nd person: Jack 1 7 1992
Tom and Jack are of the same age
```

Sample run #3:

```
Particular of 1st person: Dick 1 7 1995
Particular of 2nd person: Harry 1 7 1996
Harry is younger
```