

## Lab 8

1. Define a structure called "Date" with 3 elements: *day* (int), *month* (int), *year* (int).

Write a function called "input\_dates" that let the user enter the dates of birth of 3 students into an array.

Write a function called "sort\_dates" that receives an array of type Date as argument and sorts the array in ascending order of date, then display the sorted array to the screen.

Write a function called "export\_dates" that receives an array of type Date as argument and write the array to a new binary file called "dates.bin".

Write a program called "DatesOfBirth" that lets the user enter the dates of birth of 3 students, sort the dates and write the results to a binary file.

Example:

Code	Output
<code>input_dates(array);</code>	Nhap ngay sinh cua 3 hoc vien: Hoc vien thu 1 (ngay thang nam): <b>6 6 2000</b> Hoc vien thu 2 (ngay thang nam): <b>10 3 1999</b> Hoc vien thu 3 (ngay thang nam): <b>28 10</b> <b>2004</b>
<code>sort_dates(array);</code>	Danh sanh ngay sinh theo thu tu tang dan la: 10-3-1999 6-6-2000 28-10-2004
<code>export_dates(array);</code>	Da ghi ket qua vao file

2. Re-write the above program, this time display a menu instead. The menu will be re-displayed after each step until the user picks option 4.

Example:

```
=====QUAN LY NGAY SINH CUA HOC VIEN=====
Chon 1 trong cac lua chon sau day:
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1. Nhập ngày sinh của 3 học viên
2. Sắp xếp ngày sinh theo thứ tự tăng dần
3. In kết quả ra file
4. Kết thúc chương trình

Lựa chọn của bạn: