Due Date: Sep. 18, 2014 23:00

In this homework, you will write a program similar to the phone book example. You will create a file including faculty records. On these records, you will apply some operations such as adding a new record, removing a record, searching a record, updating a record etc. The commands and their descriptions are given below. You should implement the methods for applying these commands.

The format of each record is:

```
struct faculty_record {
  char  fname[15], lname[15];
  int   phone, office;
  char  dept[5];
};
```

Commands:

Command	Description
R	Removes the record (replacing with blank record is not acceptable)
S	Searches the records by department, for example: if the user searches CE then it will list all people in Computer Engineering. Search will not be case sensitive
F	Searches a record by first name. Search will not be case sensitive
A	Adds a new record to the file
P	Prints all records to the screen
U	Updates the record, the program should ask the user which part he/she wants to update, for example: the user can update only phone or both phone and office and so on.
E	Exits from the program

Note: If you have any question about the homework, contact with research assistant Neziha Akalın via email (akalinn@itu.edu.tr) or in Research Lab 1 (EEB 4307).

Submission Procedure:

1. Make sure you write your name and number to all of the files of your project in the following format:

/*

* @Author

* Student Name: !! enter here !!

* Student ID : !! enter here !!

* Date:

*/

2. Use comments wherever necessary in your code to explain what you did.

3. After you make sure that everything is compiled smoothly, archive all files into a zip file. Submit this file through www.ninova.itu.edu.tr. Ninova enables you to change your submission before the submission deadline. Do not miss submission deadline, the homeworks sent via e-mail will not be graded.

Academic dishonesty including but not limited to cheating, plagiarism and collaboration is unacceptable and subject to disciplinary actions. Any student found guilty will receive F as his/her final grade for the course.