CSE108
LW 08

≅ **Using mobile phones, flash disks, internet and any other record or communication media is strictly forbidden during lab sessions. Throughout a lab session, all such media must be kept turned off and in a closed environment. Violation of this rule is punished with a grade 0, -100 or worse. Before doing anything else, make sure that your computer is not attached any such media.**

≅ **Make sure that you have deleted all of your work PERMANENTLY before leaving the first sessions.**

You are given two input files as below. First file **"name_list.txt"** consists of names and surnames of several people. One person in each line. Second file **"birthdays.txt"** contents birthday of each person in the first file.

name_list.txt	**birthdays.txt**
cersei lannister	10 March 1980
jon snow	11 April 1965
arya stark	05 November 2003
sansa stark	04 July 1999
joffrey baratheon	18 March 1998
dexter morgan	23 March 1979
vince masuka	30 April 1982
astor bennett	22 March 1980
angel batista	10 March 1965
amy lee	13 December 1981

PART-I: (1 point)

In this part you are expected to read names and surnames from the file "**name_list.txt"** as strings and store them in an array of strings called
char names[NUM_NAMES][STR_SIZE]
and read birthdays from the file "**birthdays.txt"** as strings and store them in an array of strings called
char birthdays[NUM_NAMES][STR_SIZE].
For this job use two functions called

int read_list(const char *file_name, char str_array[][STR_SIZE]) that takes file name and a string array; returns the number of names as integer.

void print_list(char str_array[][STR_SIZE], int size) to print array on the screen.

PART-II:(2 points)

In this part you will write a function
void sort_names(char names[][STR_SIZE],
char birthdays[][STR_SIZE], int n)
that sorts the names in alphabetical ascending order. You will also need to order birthdays according to the **names** array. **For example:** if you put the name **"amy lee"** in the first row of the sorted **names** array; her birthday "**13 December 1981"** should also be in the first row of the **birthdays** array. The parameter **n** is the number of elements to be sorted.

Using the **print_list** function in **Part-I** print sorted lists.

PART-III:(2 point)

In this part you are supposed to write a function
void uppercase_str(char *str)
to change first letter of the name and the surname in the string **str** to uppercase.

For example: amy lee becomes **Amy Lee**.

Use the function **uppercase_str** to write a function
void uppercase_names(char names[][STR_SIZE], int n)
to change first letter of the names and the surnames in the **names** array to uppercase. The parameter **n** is the number of strings in the array.

PART-IV:(2 point)

In this part you are going to write a function
void most_used(const char birthdays[][STR_SIZE], int n, char month[])
that finds the month in which the largest number of people born. The function should return the name of the month in the output parameter, **month**. For example the function should return "March" for the example above.

You may want to use **sscanf** to extract the month of a birthday.