The text file *census.txt* contains a list of first names from a census in the USA in the mid 2000's. There are over 5000 names appearing in the file. The file takes the following format (appearing alongside each name is a code and an indicator).

census - Notepad

File Edit Format View Help

Code	Indicator	Name
MF	LY	AARON
FO	LY	ABBEY
FO	LN	ABBIE
FO	LY	ABBY
MO	LY	ABDUL
MO	LY	ABE
MO	LY	ABEL
FO	LN	ABIGAIL
MO	LY	ABRAHAM
MO	LY	ABRAM
FO	LY	ADA
FO	LN	ADAH
MO	LN	ADALBERTO
FO	LN	ADALINE
MF	LY	ADAM
MO	LY	ADAN
FO	LY	ADDIE

The key for the **code** is as follows:

MF: used as a male and female name (322 names identify as MF in the file).
MO: used as male only name (888)
FO: used as female only name (3944)

The key for the **indicator** is as follows:
LY: used as a last name as well as a first name (2052)
LN: Not used as a last name (3111)

To do:

Write an application that will read the file and will create **at most two Callable's** to return the following:

1. How many names from the file are used as both a male and female name.
2. How many names from the file are male only.
3. How many names from the file are female only.
4. How many names from the file are used as both a last name as well as a first name.
5. How many names from the file are not used as a last name.

You can then print to the screen the return values from these *Callable's* once they have finished executing. The *Callable's* should execute concurrently and due to the number of searches that are

taking place (five) and the high volume of data involved there should be a marked difference between using multithreading for this exercise and not.

It is worth noting that the codes and indicators are contained in a variety of names: For example:

Code/Indicator	**Found in names**	**Example**
MF	0	N/A
FO	18	Adolfo
MO	65	Desmond
LY	147	Billy
LN	5	Maryln