

## Lab Assignment #3

Assume that we stored information about books and authors using the following data structure

```
book(alist([a(ln(...),fn(...),mi(...)), a(ln(...), fn(...), mi(...)), ...]), t([x1, x2,..., xk]),
pub('<publisher as string>'), year(<number>)).
```

Example:

```
book(alist([a(ln(fisher), fn(alice), mi(none)), a(ln(bloggs),fn(joe),mi(w))]),
t([an,introduction, to, computing]),pub( 'High priced books'), year(2001)).
```

Write a prolog program that will display the following menu on the screen:

- 1.- Insert a book
- 2.- Display a book
- 3.- Delete a book
- 4.- Exit

You are responsible for coding those 4 options, for option 1, you will prompt the user for all the information about the book to be stored, then save it as a new fact. For option 2, you will ask for the last name of one of the authors then either display the record or show a message saying that we do not have book in our knowledge base system. For instance, using our previous example, you should display the information like this:

fisher, alice, bloggs, joe, w., an introduction to computing, High priced books, 2001.

Option 3 deletes a book from the database and option 4 ends the program.