CEN 5120 Expert Systems

Homework 6

Due: April 2, 2001 (Monday)

Problem:

For the organism taxonomy of the following figure, do the following in CLIPS.
(a) write the defclasses. Assume class ORGANISM is a subclass of USER.
(b) Issue the commands

(browse-classes ORGANISM)
(describe-classes DUCK)
(describe-classes BIRD)
(describe-classes ANIMAL)
(describe-classes ORGANISM)
(describe-classes USER)

to determine the class hierarchy of each class. Notice that the superclass, BIRD, of a class, DUCK, is the subclass of ANIMAL, and so forth for the other classes. You can also see that the print handler is automatically defined for every class by CLIPS so that an instance of the class may be printed.

![Taxonomy Diagram]

Figure 1: Simple Taxonomy of Living Organismz With is-a Links.

Note: You need to turn in the hard copies of your programs.