ITEC 480 Artificial Intelligence  
Spring 2005  
Prolog Programming Assignment 1  
Due January 27, 2005  

You may provide some facts as required in your programs.

1. Modify family program to define \texttt{uncle} predicate and find out who are uncles of whom.

2. Write a prolog program that determines if three given points forms a right triangle.

3. Write a prolog program that finds the greatest common divisor of the natural numbers X and Y.

Name your programs as \texttt{assign1\_1}, \texttt{assign1\_2}, and \texttt{assign1\_3} and submit to appropriate itec480-01 directory.