CSCE 330 Fall 2000

HOMEWORK 5—UNIX AND LEX

Wednesday 00/10/4

You are allowed (on an exceptional basis) to discuss every aspect of this exercise with your classmates or others.

1. Log in to your Unix account on the alphas (a.k.a. "the stones").
2. Using the `vi` editor, create a file `transmute.l` that contains the following two lines:

   ```
   %%
   (LEAD) printf("GOLD");
   ```

3. Issue the following commands to the Unix shell:

   ```
   lex transmute.l
   cc lex.yy.c -ll
   a.out < transmute.l
   ```

   (Depending on how the `path` environmental variable is set on your system, you may have to type `./a.out` instead of `a.out`.)

   What do you see on the screen?

4. Read what the Unix program `script` does and how it works by typing the command `man script` at the Unix prompt. Use the `script` command to save the session in part 3.
5. Print the session you just saved using `lpr -Pl2 typescript` at the Unix prompt, and turn it in as your homework.