

PROGRAMMING EXERCISE

ENCE 202

April 17, 2000

The goal of this lab exercise is to familiarize you with editing a FORTRAN program using the **pico** editor, compiling and linking this file using the UNIX **f77** command, and running/debugging the program.

Programming Task:

Write a program that outputs the following text to the computer screen.

```
This is a test program.  
I have used FORTRAN to produce this output!
```

Programming steps:

1. Start a **telnet** window, and login to any WAM or Glue UNIX machine.
2. Edit the source code file **lab.for** using the **pico** editor. To produce the above output, the program may be written as follows:

```
Program Lab  
PRINT*, 'This is a test program.'  
PRINT*, 'I have used FORTRAN to produce this output!'  
END
```

3. Compile and link **lab.for** into executable program **lab.exe** using **f77**.
4. If errors are generated during step 2, correct **lab.for** using **pico**.
5. Otherwise, run the executable program **lab.exe**, and compare your screen output with the desired output shown above. If the outputs differ, find and correct the errors in **lab.for** using **pico**.