**Probal Chandra Dhar  
Advanced Programming Languages**

**Project 1  
User's Manual**

**Setup and Compilation**

1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.
2. The submission includes:

* main.c
* parser.c
* lexar.c
* symbol.c
* global.h
* error.c
* emitter.c
* makefile
* FunctionalDecompadvpl-p1.docx
* grammar-p1.docx
* userManual.docx
* legal1.txt
* legal2.txt
* legal3.txt
* legal4.txt
* illegal1.txt
* illegal2.txt
* illegal3.txt
* illegal4.txt
* script

1. Environment: This program has been tested in the multi-platform lab and will run there.
2. Compiling. This program includes a Makefile. At the command line in Linux, type make. The program produces an executable entitled compiler

**Running the program:** Be sure the sample programs (legal1.txt, legal2.txt, legal3.txt, legal4.txt, illegal1.txt, illegal2.txt, illegal3.txt, illegal4.txt) are in the same directory as the executable. Issue the command ./compiler <filename>. Filename is required to run this program because input is reading from files.

By doing this you can run one program at a time. If you want to run 8 programs at a time you can run the script by issuing the command ./script. Please make sure you’ve to run the Makefile before this command. Type make to run Makefile.

Script is a bash script that will run the program 8 times with different sample program I’ve added in the folder.

**User input:** no user interaction with the program is required.

**Output:** all output goes to the console. Output will be the similar to this:

Sucessfully compiled.

Sucessfully compiled.

Sucessfully compiled.

Sucessfully compiled.

line 4: syntax error factor

line 8: syntax error factor

line 10: syntax error factor

line 1: syntax error match