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**Programming languages Project 2**

**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

- makefile

- proj.c

- proj.h

- symbol.c

- symbol.h

- test.txt

- legal1.txt

- legal2.txt

- legal3.txt

- legal4.txt

- ilegal1.txt

- ilegal2.txt

- ilegal3.txt

- ilegal4.txt

3. Environment: This program has been tested terminal window though command lines and in ssh windows.

4. Compiling:

**command:** “make test main.c && ./test legal1.txt && ./test legal2.txt && ./test legal3.txt && ./test legal4.txt && ./test illegal1.txt && ./test illegal2.txt && ./test illegal3.txt && ./test illegal4.txt”

**•with the above statement, you can run the files and there is NO other script needed.**

**Running the program**. Be sure the txt file and the source coude are in the same folder.

**Output:**

legal1.txt

R0 = abc\_edef

R1 = b

R0 = R0 \* R1

\*\*\*\*\*\*[abc\_edef,b,\*]\*\*\*\*\*\*

legal2.txt

R0 = 6

R1 = abcd

R0 = R0 - R1

\*\*\*\*\*\*[6,abcd,-]\*\*\*\*\*\*

R0 = b

R1 = c

R0 = R0 + R1

R2 = a

R2 = a

R1 = R1 + R2

\*\*\*\*\*\*[b,c,+, a, +]\*\*\*\*\*\*

legal3.txt

R0 = b

R1 = c

R0 = R0 + R1

R2 = a

R2 = a

R1 = R1 + R2

\*\*\*\*\*\*[b,c,+, a, +]\*\*\*\*\*\*

legal4.txt

R0 = abc\_edef

R1 = b

R0 = R0 \* R1

R2 = c

R0 = a

R1 = R0 + R1

R2 = R1 + R2

\*\*\*\*\*\*[abc\_edef,b,\*,c,+, a,+]\*\*\*\*\*\*

R0 = abc\_edef

R1 = b

R0 = R0 \* R1

\*\*\*\*\*\*[abc\_edef,b,\*]\*\*\*\*\*\*

illegal1.txt

ERROR! Value 'qwerty' haven not been decleared yet!

illegal2.txt

ERROR! Value 'abcd' already declear!

illegal3.txt

ERROR! Missing 'begin' in you code!

illegal4.txt

ERROR! Missing 'begin' in you code!

*Note: If output goes to a file, the name of the file should be mentioned. If the user chooses the name of the file, that fact should be mentioned in the user interaction section above.*