

COSC 445 Compiler Project #2

Distributed: 9 March 2010

Due: 16 March 2010

Synopsis:

Write a miniature user manual for the Triangle compiler available at <http://www.dcs.gla.ac.uk/~daw/books/PLPJ/>

For this assignment, you can use the compiled code and/or the source code versions.

You should include instructions on how to 'register' the code with whatever IDE you're using. If you're using console-based `javac` and `java`, indicate the required directory structures.

You should be able to make the code work without any changes to the source.

Include screen-shots as appropriate.

Required example

Use this Triangle program, given on page 58, as your sample in the user manual:

```
let
  var n : Integer;
  var c : Char
in
  begin
    c := '&';
    n := n + 1
  end
```

Intended audience:

The intended audience for this manual is fellow students in this class.

Minimum:

Between two and five pages total (including screen shots).
At least two screen shots.

Code development practice

Write a Triangle program to output the smallest element in a 10 element array. The array values may be hard-coded.

Turn in:

- User manual
- Harcopy of finding min element program
- Screenshot of successful execution of finding min program.

Grade based on:

User manual: 90%
 Completeness over the indicated example
 Clarity
 Spelling/Grammar
Finding min program: 10%

Note: *I think you will find the Case Studies at the end of each chapter to be helpful.*

Cooperation: You may cooperate with other members of this class. However, each individual has to turn in his own text/screen shots for the user manual. That is, you can figure stuff out together, but you have to write it up separately.