

**Mini-Pascal (full compiler)
Version III (final)
Csci465**

**Fall 2020
Due December 18, 2020**

The final version of the compiler is Due December 18; your compiler should be able to support the following features:

1. Allow integer and char variable declarations
 2. Handle full expressions with parentheses
 3. Perform type checking
 4. Implement read, write, and written for chars, integers, and (for write and written) quoted strings
 5. Allow control flow statements (If, If/Else and While statements), with Boolean expressions (AND/OR, and relational operators)
 6. Allow begin...end statements
 7. Allow Array
 8. Generate machine-dependent code
 9. Run the code with two samples of Mini-Pascal program as inputs (good program and bad program), and generate the desired outputs: 1) for good sample, 2) for bad sample, generate appropriate error messages
- ✓ **EXTRA CREDITS: Allow Function and Procedures Calls (parameter-less)**
- **Credit will be given to handle function/procedure calls with parameters.**

Submission instructions:

- The source code (pdf file)
- machine-dependent code (pdf file)
- inputs (sample of error-free pascal code and sample of pascal code with lexical, parsing, and semantic errors) (pdf file)
- outputs (good and bad) together with any readme file have be submitted in Pdf files.