

CS 5810: Cminus Parser Project
Due Date: Monday, September 6, 2021 @ 8am

Purpose

The purpose of this project is to write a parser for your Cminus compiler.

Project Summary

In this project, you will do the following

1. Convert the BNF grammar for Cminus to ANTLR v4.
2. There should be no parse errors on any of the input files.

Skeleton. A skeleton grammar file `CminusSkeleton.g4` is provided on Elearning. This file contains the lexical specification of Cminus. You will need to fill in the parser section.

Submission. Your code should be well-documented. You will submit all of your files, by tarring up the working directory using the command

```
tar -czf CminusParser.tgz CminusParser
```

Submit the file `CminusParser.tgz` via the CS 5810 E-learning page. There must be two commands/scripts available in the top-level CminusParser directory:

1. `compile` which generates the parser from the `.g` grammar file.
2. `run` which takes the name of a Cminus file as the only command-line parameter and parses the input file. No output should be emitted if the parser works correctly

Your parser must work properly on all input files in the tar file `input.tgz` on the E-learning page.