

Compilers – Final Project

The final project was a combined work of all three members, Riwaz Bajracharya, Peter Nwochie Tiewah and Tenzen Wise. The project was done collaboratively so there was no one single part that was assigned to an individual. In the previous assignment we had implemented type checker which scanned and threw error when variables were not declared. We did have bugs in the previous assignment and we have tried to fix all of the issues that were in the project. In the latest project including fixing the previous bug, we have also implemented the Intermediate code as well. The intercode was able to translate the type checked ast to three address codes and the unparser also was able to understand printing out the three address codes which was possible by the modification of the unparser. For the completion of the project, we have taken references from the lab session videos that have been posted as well as the dragon book source code master that was provided to us. After Writing the project we checked our work using the input.txt file that was assigned to us. When the file was compiled and submitted it did not have any compilation errors and we have checked a couple of other input values to check if the project worked or not as well, but we were not able to implement the array and assignment node. We have cleared the bytcodes s in the file and also double checked the file names in all the files of the project.