

CS5310: Symbolic Logic and Applications

Project Report: Week 1

September 7, 2025

1 Week 1 Report

Progress on mentioned deliverables:

1. Install Dafny, Z3, and related tools. **COMPLETED**
2. Create a GitHub repository and give access to the course instructor and teaching assistant.
Link to repository: <https://github.com/manyagarggg/SLAPs-Monsoon25.git>
3. Test Dafny on 3 example programs to familiarize themselves with the workflow. **Output is in the github repository.**

```
manyagarggg@Manyas-MacBook-Air-3 examples % dafny run example1.dfy
Dafny program verifier finished with 2 verified, 0 errors
manyagarggg@Manyas-MacBook-Air-3 examples % dafny run example2.dfy
Dafny program verifier finished with 3 verified, 0 errors
manyagarggg@Manyas-MacBook-Air-3 examples % dafny run example3.dfy
Dafny program verifier finished with 3 verified, 0 errors
```