Status
Is your implementation complete? Are there tests you are failing or bugs you are aware of?

Our implementation addresses all semantic rules stated in the Decaf specification. We are passing 130/144 test cases (as of writing).

Questions / Concerns
Is there anything in your project that you want TAs to review or address? Are there problems or difficulties you want us to be aware of?

Not applicable.

Team Dynamics
How did your group divide the work? What issues did you have working as a team, and how do you plan to resolve them going forward?

We decided to divide the work into two subteams. Alex and Yoland worked on transforming the abstract syntax tree generated by the ANTLR parser generator into our own internal representation, using the visitor design pattern to process the AST. An Bo and Sophie worked on implementing a semantic checker on the generated IR tree to ensure the program is well-formed. Within the subteams, we discussed implementation at a high level before independently working to resolve each semantic check, regularly checking in to minimize the chance of concurrently editing the same files. Moving forward, we plan on communicating issues more clearly by using the issue tracker on Github.