CS 565 Out: October 30, 1997
Jens Palsberg Due: November 6, 1997

Homework 9:

Implement a Simple Java Type Checker

1. In Lecture Note 5, Section 9, there is a description of a subset of Java called MiniJava. On the CS 565 webpage, in the code/tmjava directory, you will find the file tmjava.input.jj which describes a typed version of MiniJava, called TypedMiniJava. In TypedMiniJava, variables and method headers are typed. All types are either boolean, int, void, or a class name. The meaning of these types are the same as in Java, except that overloading is not allowed in TypedMiniJava.

Use JTB and JavaCC and write in Java one or more visitors which type check a TypedMiniJava program.

If you decide not to handle all of TypedMiniJava, then state explicitly what parts you cover.