

Assignment – IV

Design a target code generator, given the parser you have designed in Assignment 3 as input. The target code generator should produce MIPS assembly code as output. The generated code should be compatible with and executable on the MIPS simulation platform SPIM. Also, incorporate type checking (int should be coercible into chars) and nested scope analysis on the given input parser. If you cannot handle the entire parser created by you in assignment 3, take the largest subset that you can handle.