

Assignment 8

Error Recovery

In assignment 5 you had developed an LL(1) parser. In this lab, we will discuss about some error recovery approaches. You will work on developing phrase-level error recovery for the parser (for the grammar that you worked with in assignment 5).

Q1. Describe various error procedures that you require. For each error entry in the LL(1) parse table, indicate which particular procedure has to be executed. **Submit a document describing your error procedures, and the LL(1) table with all the error entries also filled-in.**

Q2. Update your parser implementation with the error-recovery procedures that you designed in Q1. Simulate your parser for some example words. For any given input word, print the configuration of the parser and the action performed by it at each step (displaying informative error message whenever an error recovery action is performed).