Parser documentation:

This assignment is not easy especially when hands on practice is very limited. Learning this new language requires a lot of time to explore libraries offered by Racket language, syntax learning, functions learning etc. I started with writing small functions but writing parser requires a lot more than just writing small functions. I searched Google and GitHub. I downloaded the code from GitHub, compared grammar and found the differences. I modified code, added few methods, modified few methods, executed code with simple 3-line programs like given below.

|  |
| --- |
| label1: goto label2  label2: goto label1  $$ |

Got “Accept” results.

Then I executed it with

|  |
| --- |
| 1 look book  2 goto 1  $$ |

I “Syntax error found on line: 1”

It is not perfect but I learned many things from this assignment, like reading file, iterating using map (lambda variable), regular expressions like and using regexp-match, use of functions like “car”, “cdr”. Learned use of multiple conditions.

I needed more time to use monadic types from functional library. I did not have functional library in my racket, whenever I was trying to use (require data/either) according to documentation, it was not accepting but in last minute I learned how to add functional-lib in racket.