CS315 Course Project I

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March 4, 2019

1 Introduction

The project is about the design of a new programming language for propositional calculus.This newly designed language will be similar to imperative languages. The main difference is that this new language will be specifically for propositional calculus. This part of the project is about the design of the language and the implementation of its lexical analyzer.

2 BNF

Backus-Naur Form (BNF) is a syntax for describing syntax. It's used to write a formal representation of a context-free grammar. In computer science, BackusNaur form or Backus normal form (BNF) is a notation technique for context-free grammars, often used to describe the syntax of languages used in computing, such as computer programming languages, document formats, instruction sets and communication protocols. In that part, there will be demonstrated our programming language BNF.

3 Description of Non-Terminals

In this section, there will be illustrated the descriptions of the given BNF forms.

4 Conclusions

In this section, we describe the results