

LR Parser

Overview

This Python program implements a Context-Free Grammar (CFG) LR parser. It consists of classes defining grammar symbols, productions, and the parsing process.

Setup

Clone the repository: `git clone https://github.com/your-username/cfg-parser.git`

Navigate to the project directory: `cd cfg-parser`

Ensure Python 3 is installed.

Usage

Run the program: `python3 grammar.py`

Documentation

These are the necessary lines in order to use the LR parser. Insert the input string into the `Parser()` constructor and call `start()` and `parse_string()`

```
parser = Parser(input_string)
parser.start()
parser.parse_string()
```

Getting started

To parse a string, update `input_string` in `main()` to the desired string, then execute the program.