Homework 1
Readme of
Simple Java − Scanner

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Contents

1 Lex & Yacc version

```
$ lex –version
flex 2.6.4
$ bison -V
bison (GNU Bison) 3.5.1 Written by Robert Corbett and Richard Stallman.
Copyright (C) 2020 Free Software Foundation, Inc. This is free software; see the source for
copying conditions. There is NO warranty; not even for MERCHANTABILITY or FITNESS
FOR A PARTICULAR PURPOSE.
```

2 Operating System

```
$ cat /etc/os-release | sed -En 's/PRET.*"(.*)"/\1/p'

Pop!_OS 20.04 LTS
```

3 Execution manual

3.1 Build

Make
```
$ make
```

LaTeX
```
$ cd Readme
$ make
```

3.2 Run

```
$ make # Build it first
$ ./yacc.elf < input.java
```

4 How to implement

Regex in Lex, BNF in Yacc, and std::unordered_set std::vector in C++

5 Problems

1. Yacc 有毒。

2. It only can be written in LALR(1). It makes me very very confused to debug.

6 Outcome