STRIGER

SER 502-EMERGIN LANGUAGES AND PROGRAMMING PARADIGMS PROJECT GROUP 9

Github: https://github.com/ntarunasy/SER502-Striger-Team9/tree/main

TEAM MEMBERS

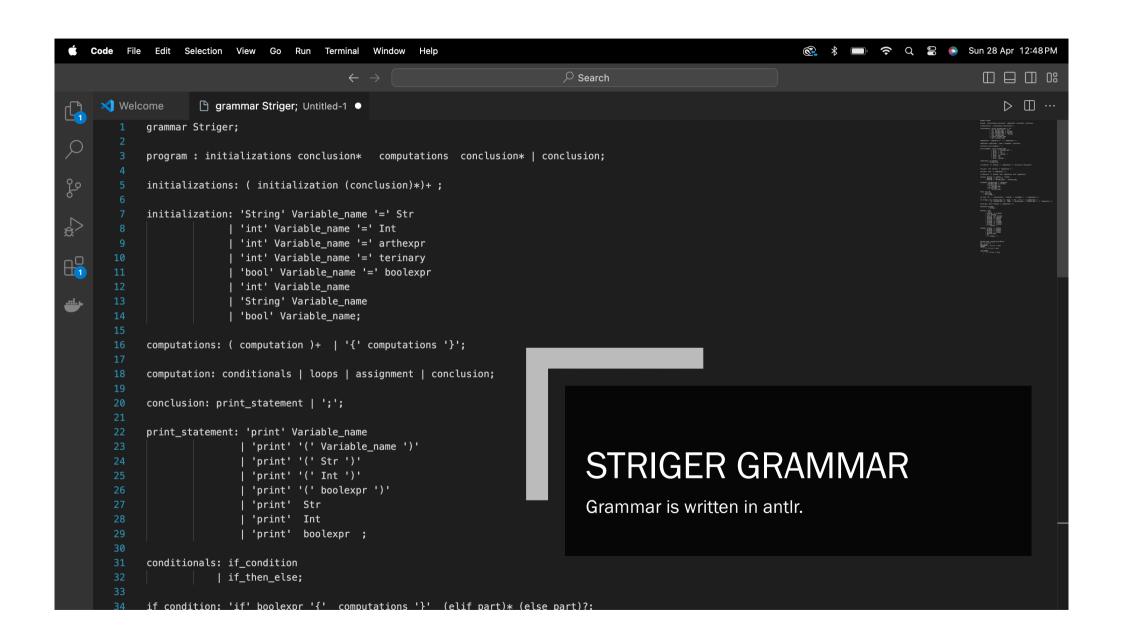
VENKATA SAI TARUN NUKA

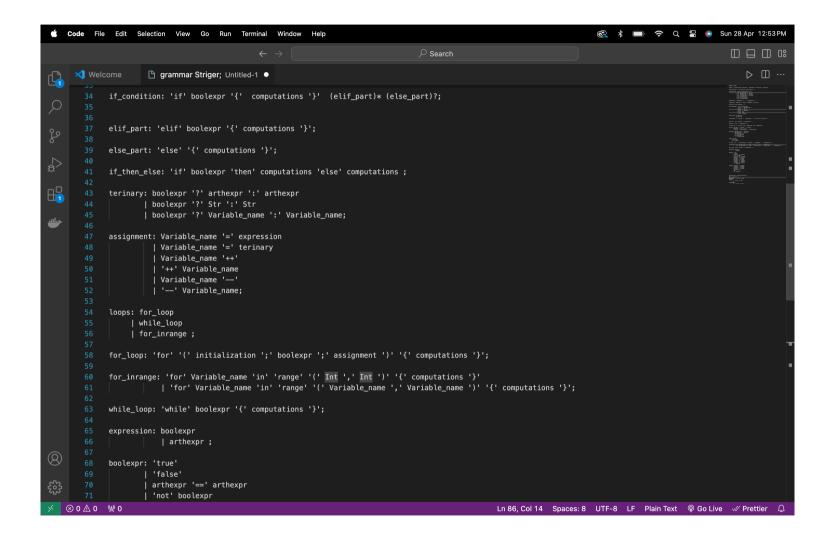
SRI VIKAS GANUGU

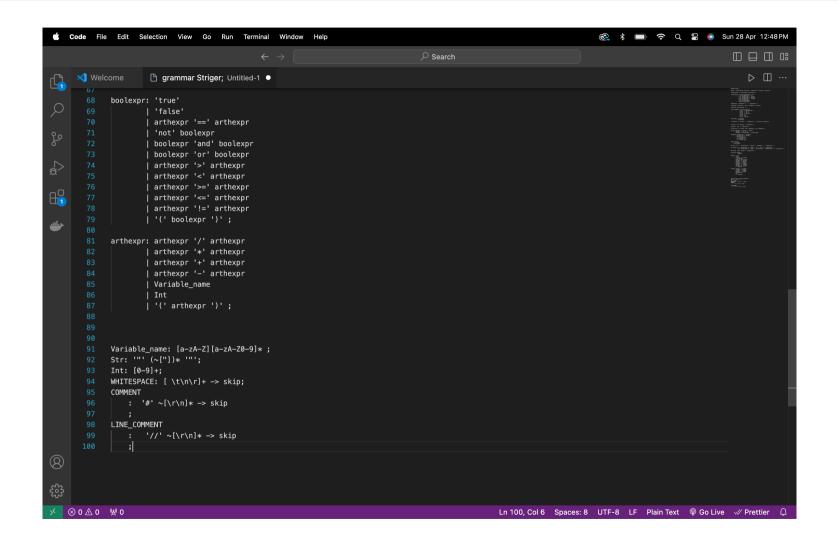
NITIN SURYA MOTURU

Striger Features

- It supports three types of data types: Integer, String and Boolean.
- It supports two types of printing of variables: print(variable) and print variable.
- It has two types of conditional statements:
- 1. if_condition: a normal if else condition where add ':' at the end of both the keywords to increase readability of the code.
- 2. If_then_else:It is also similar to above one, but here there won't be elif and ':'.
- It has three types of loops: for_loop, while_loop and for_inrange.
- The arithmetic operations it support are addition, subtraction, multiplication, division.
- The Boolean operations it support are 'true', false, ==, not, and >.<.>=.<=.!='.</p>
- Variables name contain small and capital letters, along with numbers. But variable names shouldn't start with number
- The language basically supports all the basic features of an advanced language.

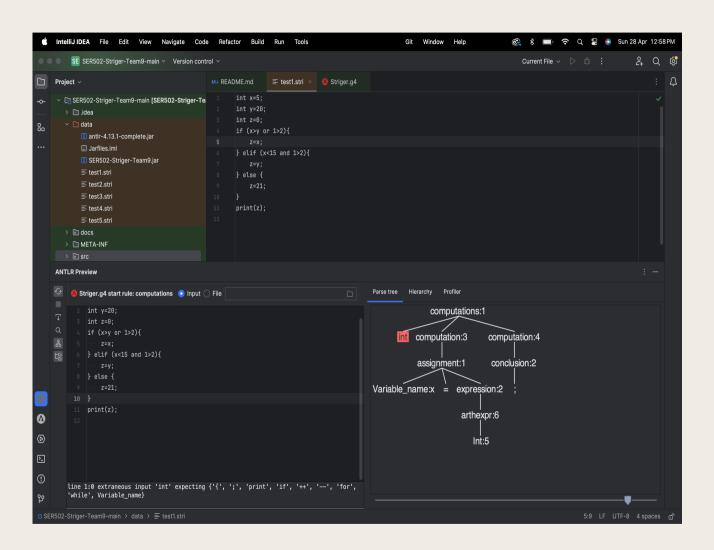




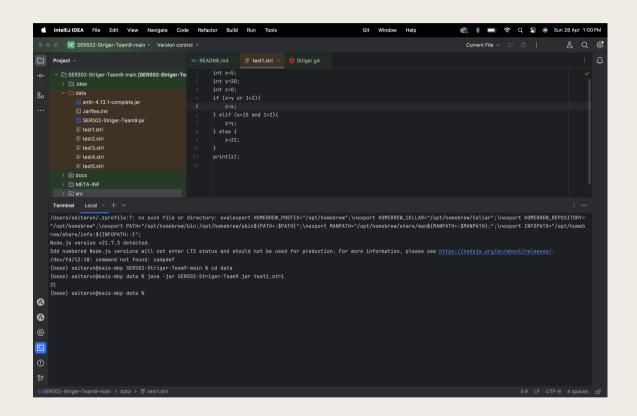


Sample Code

```
int x=5;
int y=20;
int z=0;
if (x>y or 1>2){
z=x;
} elif (x<15 and 1>2){
z=y;
} else {
z=21;
print(z);
```

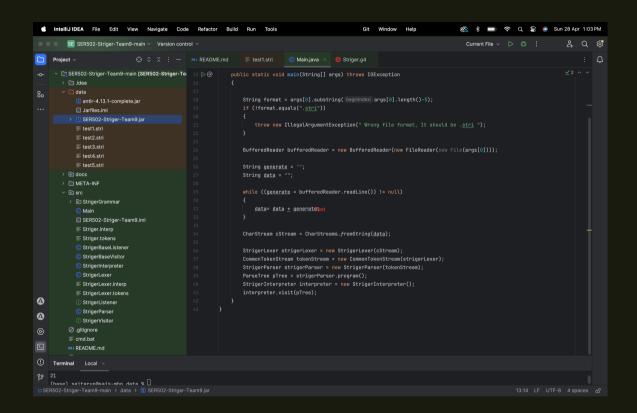


PARSE TREE

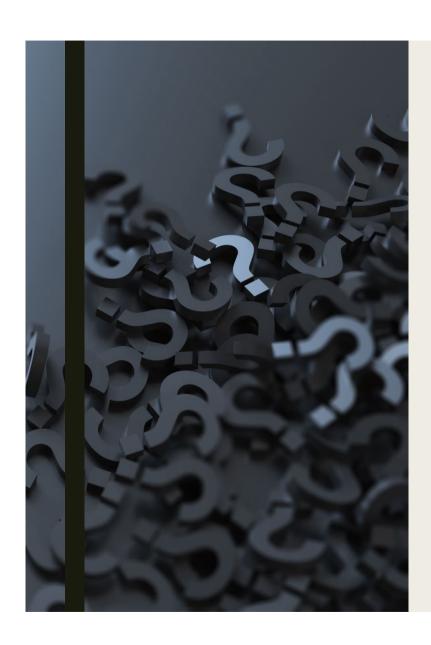


Sample Run and Output

To run the code, the command is java -jar SER502-Striger-Team9.jar file_name.stri



INTERPRETER ARCHITECTURE



Future Implementation

- Additional large datatypes like double and long.
- Providing input during run time
- Arrays and lists
- Functions

THANK YOU