

Instituto Tecnológico y de Estudios Superiores de Monterrey

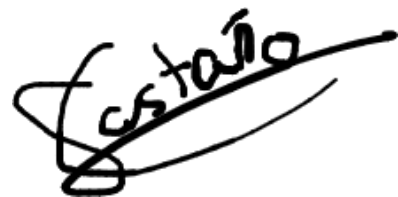
Proyecto Final: Diseño de Compiladores

PATITO++

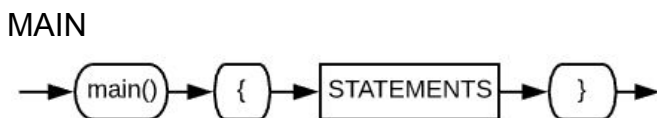
Enrique Villa
A01193635

A handwritten signature in black ink, appearing to be 'Enrique Villa', written over a horizontal line.

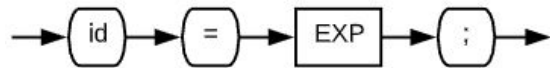
Santiago Castaño
A01193760

A handwritten signature in black ink, appearing to be 'Santiago Castaño', written over a horizontal line.

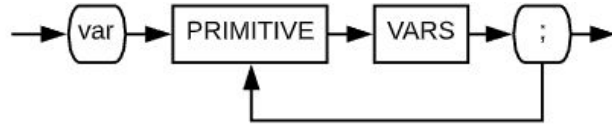
13 de abril de 2020



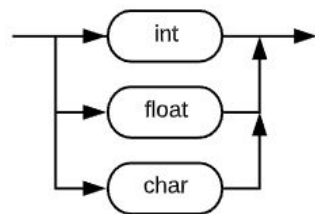
ASSIGNMENT



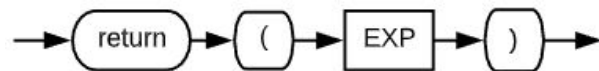
DECLARATION



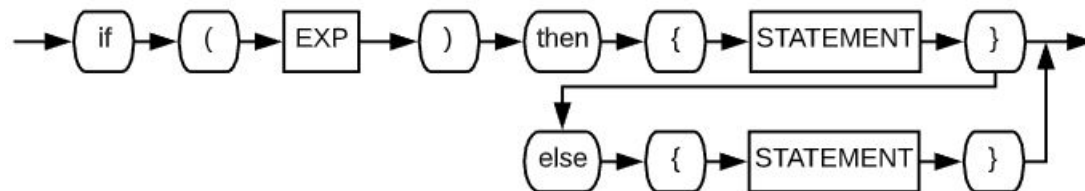
PRIMITIVE



RETURN



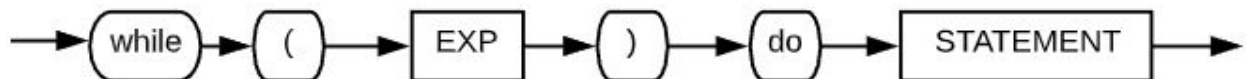
IF



COMMENT



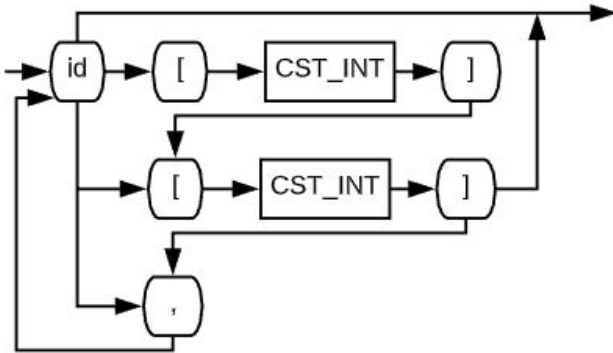
WHILE



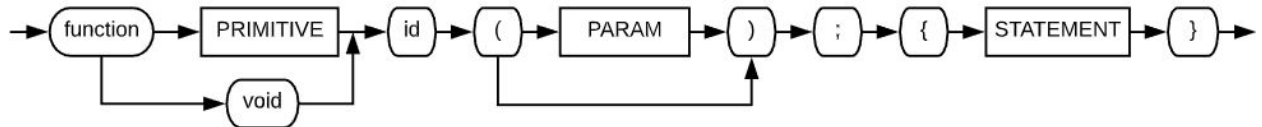
FOR



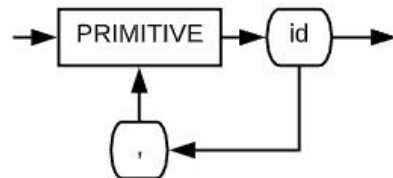
VARS



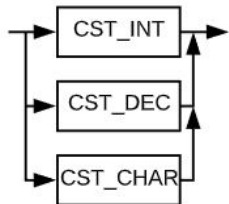
FUNCTION



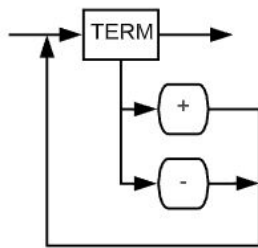
PARAM



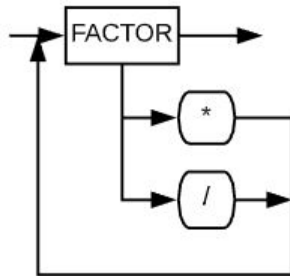
CST_PRIM



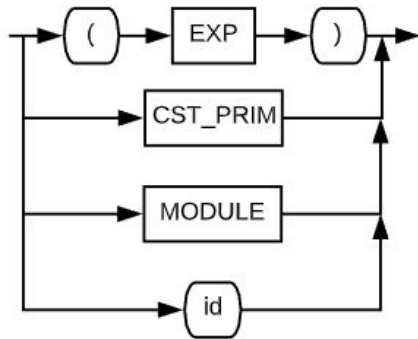
EXP



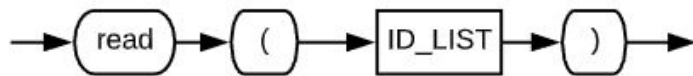
TERM



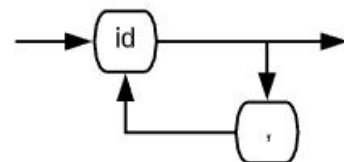
FACTOR



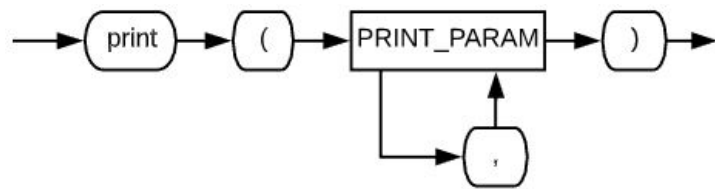
READ



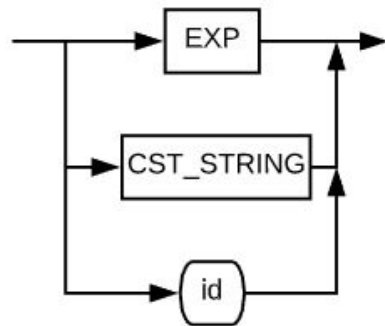
ID_LIST



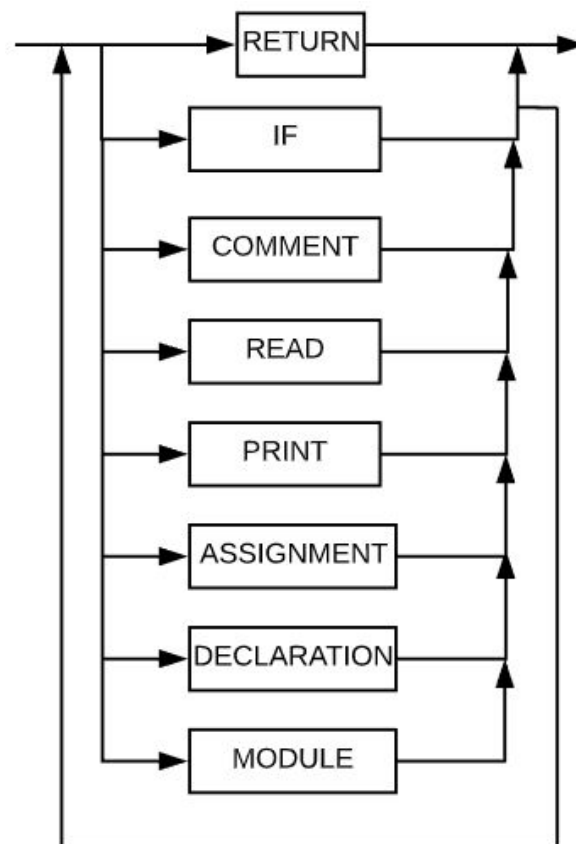
PRINT



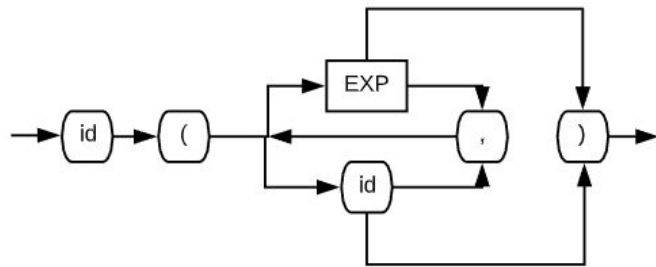
PRINT_PARAM



STATEMENT



MODULE



1.3 Semantic characteristics

Error handling for SUM operation			
	int	float	char
int	int	float	string
float	float	float	string
char	string	string	string

Error handling for Multiplication, Division and Substraction (* , / , -) operations			
	int	float	char
int	int	float	Error
float	float	float	Error
char	Error	Error	Error

1.4 Data types

Type	Name
Primitive	int, float, char

2. Development Platform

- **PLY** for lexical and syntax analysis in **Python**.
- **GitHub** (git) for our project's version control.

3. Bibliography

Beazley, D. M. (2018, February 15). PLY (Python Lex-Yacc). Retrieved March 4, 2020, from <https://www.dabeaz.com/ply/ply.html>