Instituto Tecnológico y de Estudios Superiores de Monterrey

Proyecto Final - Diseño de Compilador

User manual

JADE

Diseño de Compiladores - Grupo 1

Equipo

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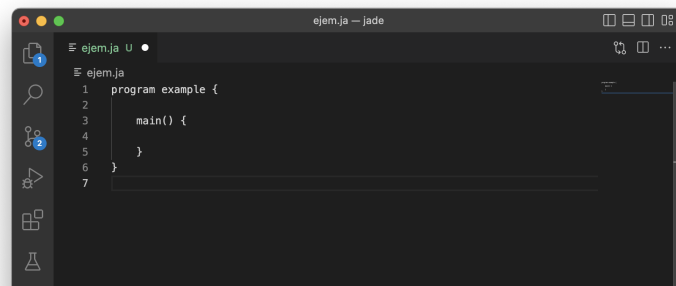Ana Lizbeth Zermeño Torres   Ana Carolina Arellano Álvarez
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In order to create a Jade program user should follow the following steps and code structures:

1. Have a python version equal or greater than 3.8.2
2. Install compiler files included in the repository →
   https://github.com/anazermeno/jade
3. Create a .ja file → **example.ja**
4. Time to code, in order for the compiler to execute basic instructions the code must follow the base structure which is:

5. Before the declaration of "main", you are able to declare functions, variables and make multiple statements in different order. The statements can be:
   - var, array and matrix declaration
   - var, array and matrix assign of values
   - condition (if, else, else if)
   - read and write
   - for loop and while loop
   - function calls
6. After "main" has been declared, any declaration of function, variable or statement below that scope will be rejected by the program.
7. When your program is ready, code into terminal **python3 jade.py**
8. Enter the name of your program → **example.ja**
9. **You are ready!**