Adhiraj Bhagawati (Project 2)

Step-1 Read the file ---

by using std::fs::File & std::io::prelude::*; library

In Rust we cannot read file line by line we need to read whole file together and store it in vector of string than:

-read it character by character

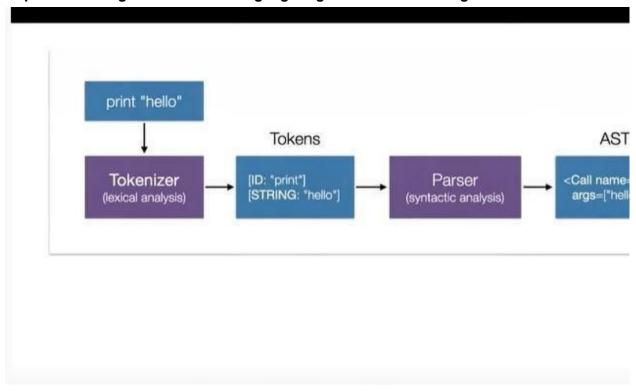
Step-2

Toeknizer (lexical analyzer)

for every character check if it is an identifier or keyword or expression or variable by using token.rs and mod.rs file

step-3
Parse (syntactic analysis)
check for any syntax error

step 4 Generating XHTML file and highlighting functions according format.csv file



OUTPUT:

```
= note: `#[warn(non upper case globals)]` on by default
warning: `parser` (bin "balser") enerated 1 warning
Finished dev [urontinized "debuginfo] target(s) in 0.07s
     Running `D: \Adhiraj -Assignments\parser\target\debug\parser.exe`
FLOATCONSTANT
                                                                               examp
IDENT(['F', 'o', 'o'])
LPAREN('(')
                                                                               File Edit
INTCONSTANT
                                                                               float Fo
IDENT(['v', 'a', 'l'])
                                                                               void ma:
RPAREN(')')
                                                                               float Va
SEMICOLOŃ(';')
IDENT(['v', 'o', 'i', 'd'])
IDENT(['m', 'a', 'i', 'n'])
                                                                               Value =
                                                                               }
                                                                               float Fo
LPAREN('(')
                                                                               float Te
RPAREN(')')
                                                                               while(va
LBRACE('{')
FLOATCONSTANT
                                                                               TestFloa
IDENT(['V', 'a', 'l', 'u', 'e'])
                                                                               val = va
SEMICOLON(';')
IDENT(['V', 'a', 'l', 'u', 'e'])
                                                                               }
                                                                               return T
ASSIGN('=')
                                                                               }
IDENT(['F', 'o', 'o'])
LPAREN('(')
FLOAT(['7'])
RPAREN(')')
SEMICOLON(';')
RBRACE('}')
FLOATCONSTANT
IDENT(['F', 'o', 'o'])
LPAREN('(')
TNTCONSTANT
```

References

- =>https://github.com/mohitk05/monkey-rust
- =>https://youtu.be/4m7ubrdbWQU
- =>https://adriann.github.io/rust_parser.html

IMPORTANT:

You may need to install the nightly version with daily updates

