Kiwi Grammar

1 Grammar

```
program := statement*

statement := variable_declaration
           | function_declaration
           | return_statement

variable_declaration := "let" identifier ":" type "=" expression ";"

function_declaration := "fn" identifier "(" parameter_list? ")" "->" type block
parameter_list := parameter ("," parameter)*
parameter := identifier ":" type
block := "{" statement* "}"

return_statement := "return" expression ";"

expression := additive_expression
additive_expression := multiplicative_expression (("+" | "-") multiplicative_expression)*
multiplicative_expression := primary_expression (("*" | "/") primary_expression)*
primary_expression := number | identifier | "(" expression ")"

type := "i32" | "TODO"

identifier := letter (letter | digit)*
number := digit+
```