

```

#+BEGIN_SRC program = {statement} statement = ((variable_declaration |
function_call | assignment) ";" ) | if | while

type = "int" | "str" | "double"

variable_declaration = | type " " identifier | type " " identifier "[" int_constant
"]"

function_call = | get_call | set_call | read_call | print_call

get_call = "get" "(" identifier "," int_expression ")" set_call = "set" "(" identifier
"," int_expression "," expression ")" read_call = ("read_int" | "read_str" |
"read_double") "(" "(" print_call = ("print_int" | "print_str" | "print_double")
 "(" expression ")"

assignment = identifier "=" expression

if = "if" "(" bool_expression ")" "{" program "}" ["else" "{" program "}"] while
= "while" "(" bool_expression ")" "{" program "}"

constant = int_constant | str_constant | double_constant

bool_operator = "==" | "!=" | "<" | ">" | "<=" | ">=" bool_expression =
(constant | identifier) bool_operator (constant | identifier)

expression = int_expression | str_expression | double_expression int_expression
= int_term | int_term ("+" | "-") int_expression int_term = int_factor |
int_factor (" " | "/" | "%") int_term int_factor = int_constant | identifier | "("
int_expression ")" double_expression = double_term | double_term ("+" | "-")
double_expression double_term = double_factor | double_factor ("*" | "/" ) dou-
ble_term double_factor = double_constant | identifier | "(" double_expression
")" str_expression = str_term | str_term "+" str_expression str_term =
str_constant | identifier #+END_SRC

```