```
Operators:
   arithmetic > +, -, x, =, 11, 1/2, <<,>>
   logical: >> &&, 11
   comparators : < , > , == , >= , <= ,!=
   assignment: =
   Identifiers:
* start with letter
  alphanumetic.
   Literals:
  Integer: sign -> sequence of digits.
            (edge case for zero)
   float: sign -> sequence of digits. -> decimal
          -> sequence of digits.
```

×	string: se	quence of chars, enclosed by double es which cannot be /n, etc.
	Keywords:	int, while, bool, float, for; if, else, true, false, return, function, char, main

	BNF for this shit:
< Progra	m> -> <functions> <main></main></functions>
<funct< th=""><th>ions&gt; -&gt; <functions> (function&gt; (e</functions></th></funct<>	ions> -> <functions> (function&gt; (e</functions>
<funct< th=""><th>tion &gt; -&gt; "function" &lt; identifier &gt; (&lt; parameter_list&gt;) { &lt; statements &gt; 3.</th></funct<>	tion > -> "function" < identifier > (< parameter_list>) { < statements > 3.
∠par_	list> -> e (identifier), <pax_list> &lt; identifier&gt; Kidentifier&gt;</pax_list>
	Kiconoli 1 - 2
2 statem	rents> -> (statement) (statements>   C
< statem	ent> → (conditional>   (loop>   Kdeclaration>;   (assignment);   (function_call>;   (return_st);
<condi< th=""><th>tional&gt; &gt; "if" (conditions&gt;) {<statements)}< th=""></statements)}<></th></condi<>	tional> > "if" (conditions>) { <statements)}< th=""></statements)}<>
	"if" (< conditions>) { <statements)} "else"="" statements="" {=""> }</statements)}>
<cond< th=""><th>itions &gt;&gt; (condition) (logical operator) (condition) /</th></cond<>	itions >> (condition) (logical operator) (condition) /
<con< th=""><th>dition&gt; _&gt; <identifier> &lt; comparator&gt; &lt; term&gt;</identifier></th></con<>	dition> _> <identifier> &lt; comparator&gt; &lt; term&gt;</identifier>

```
<loop> -> "for" (<assignment>; <conditions>; <assignment>)
                { < statements> }
<assignment) -> <iduntifier> = <expression>
                  <declaration> = <expression>
<declaration> -> <dutatype> <identifier>
<expression> (expression> (arithmetic — operator> (expression>)
     notice the brackets > (Lexpression) / (term> / function-call)
                     (curary-operator) < identifier)
(Term) -> <identifier> | < literal>
(created ary list seperately because in we need literals in function call) > <identifier> (< arg_list> ) calls)
(arg-list > -> e (Term ), (arg-list), (Term > (term)
(return statement) -> "return" (return" (term> terminal (because lever does not return lower than this) (identifier> -> [A-Z] [A-Z, 0-9] -> (Keywords 9.
<dutatype> -> int | char | float | bool | string.
<arithmetic - opertor> → + | * | / | - | /. | << | >>
```

