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Actividad 3.3 - Context Free Grammar

Escribe la notación BNF y EBNF para la gramática necesaria para definir módulos y funciones en Elixir.

## BNF

```
Functions
<function> ::== def <variable>(<variable-expression>), do: <single-function-expression> end | def
<variable>(<variable-expresson>) do <function-expression> end | def <variable>, do:
<single-function-expression> end | def <variable> do <function-expression> end
<variable> ::== <letter><variable> | <letter> | <letter><number> | <masc><number>
<letter> ::== a | b | c | d | e | f | g | h | i | j | k | l | m | n | o | p | q | r | s | t | u | v | w
| x | y | z
<number> ::== <digit> | <digit><number>
<digit> ::== 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0
<variable-expression> ::== <variable> | <variable>,<variable-expression>
<single-function-expression> ::== <number> | <variable> | <number><operation> | <real><operation> |
true | false
<operation> ::== <operator><number> | <operator><real>
<real> ::== <number>.<number>
```

```
<operator> ::== + | - | / | *
<function-expression> ::== <single-function-expression><function-expression> |
<single-function-expression>
    Modules
<module> ::== defmodule <masc-variable> do <mult-function> end
<masc-variable> ::== <masc><variable>
<masc> ::== A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W |
X | Y | Z
<mult-function> ::== <function> | <function> end <mult-function>
EBNF
    Functions
FUNCTION ::== def VARIABLE VAR-EXPRESSION, do: FUNC-EXPRESSION end | def VARIABLE VAR-EXPRESSION do
{FUNC-EXPRESSION} end
VARIABLE ::== [{' '}]LETTER[VARIABLE][{DIGIT}]
LETTER ::== 'a' | 'b' | 'c' | 'd' | 'e' | 'f' | 'q' | 'h' | 'i' | 'j' | 'k' | 'l' | 'm' | 'n' | 'o' |
'p' | 'q' | 'r' | 's' | 't' | 'u' | 'v' | 'w' | 'x' | 'y' | 'z'
DIGIT ::== '1' | '2' | '3' | '4' | '5' | '6' | '7' | '8' | '9' | '0'
VAR-EXPRESSION ::== VARIABLE[','{VARIABLE}]
```