

The syntax of EMOji in Backus-Naur Form

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<external-declaration> ::= <function-definition>
| <declaration>

<function-definition> ::= {<type-specifier>* <declarator> {<declaration>}*
<compound-statement>

<type-specifier> ::= U+1F300 
| U+1F522 
| U+26F5 
| U+1F9F6 

<declarator> ::= <identifier>
| (<declarator>)
| <declarator> (<parameter-type-list>)
| <declarator> ({<identifier>}*)

<logical-or> ::= U+203C !!

<logical-and> ::= U+1F4B2  U+1F4B2 

<and> ::= U+1F4B2 

<additive> ::= <multiplicative>
| <additive> U+2795  <multiplicative>
| <additive> U+2796  <multiplicative>

<multiplicative> ::=
| <multiplicative> U+2716  <unary>
| <multiplicative> U+2797  <unary>
| <multiplicative> U+303D  <unary>

<unary> ::= U+23EB  <unary>
| U+23EC  <unary>

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<primary> ::= <identifier>
    | <constant>
    | <string>
    | ( <expression> )

<constant> ::= <integer-constant>
    | <character-constant>
    | <floating-constant>

<expression> ::= <assignment>
    | <expression> , <assignment>

<assignment> ::= <conditional>
    | <unary> <assignment-operator> <unary-operator>? <assignment>

<assignment-operator> ::= U+2194 ↔

<unary-operator> ::=
    U+1F4B2 $  

    | U+2795 +  

    | U+2796 -  

    | U+3030 ~  

    | U+2757 !

```

<type-name> ::= {<type-specifier>}+

<parameter-type-list> ::= <parameter-list>

- | <parameter-list>

<parameter-list> ::= <parameter-declaration>

- | <parameter-list> , <parameter-declaration>

<parameter-declaration> ::= {<type-specifier>}+ <declarator>

- | {<type-specifier>}+

<declaration> ::= {<type-specifier>}+

<statement> ::= <expression-statement>
| <compound-statement>
| <selection-statement>
| <iteration-statement>

<compound-statement> ::= { {<declaration>}* {<statement>}* }

<expression-statement> ::= {<expression>}? ;

<selection-statement> ::= U1F914 🤔 (<expression>) <statement>
| U1F914 🤔 (<expression>) <statement> U1F9D0 🤪 <statement>

<iteration-statement> ::= U1F501 🔍 (<expression>) <statement>