# XS Tokens

The following is a list of XS tokens

## 1. Operators

### 1.1. Arithmetic Operators

PLUS := +

MINUS := -

STAR := *

FSLASH := /

PCENT := %

### 1.2. Prefix/Postfix Operators

DPLUS := ++

DMINUS := --

### 1.3. Relational Operators

LT := <

GT := >

LE := <=

GE := >=

DEQ := ==

NEQ := !=

### 1.4. Boolean Operators

AND := &&

OR := ||

## 2. Punctuations

EQ := =

LBRACE := {

RBRACE := }

LPAREN := (

RPAREN := )

SEMICOLON := ;

COLON := :

COMMA := ,

DOT := .

## 3. Literals

INT := -999999999 to 999999999

FLT := -?\d+.\d+ where \d is a digit

STR := "\w*" where \w is a unicode character

BOOL := false or true

ID := [a-zA-Z_][a-zA-Z_0-9]*

Note: Vectors are part of the grammar and are not treated as literals

## 4. Comments

### 4.1. Single Comment

CMT := //[\n]*

### 4.2. Multiple Line Comment

CMT := /*.**/

## XS Keywords

every XS keyword is a token

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