**REGULAR DEFINITIONS**

***Delimiters***

|  |  |
| --- | --- |
| caplet | { 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 } |
| lowlet | { 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 } |
| digit | { 1, 2, 3, 4, 5, 6, 7, 8, 9 } |
| numbers | { 0, digit } |
| mathop | { +, -, \*, /, % } |
| ascii | { any printable characters } |

***Reserved Words***

|  |  |
| --- | --- |
| whitespace | { space, newline } |
| delim1 | { whitespace, period } |
| delim2 | { whitespace, colon } |
| delim3 | { whitespace, ( } |
| dtype | { delim1, colon } |
| bool | { delim1, ;, &, |, ) } |
| NewLine | { } |

***Reserved Symbols***

|  |  |
| --- | --- |
| condop | { whitespace, !, ~, numbers, caplet } |
| relop | { ", ', (, condop } |
| concat | { ", whitespace, caplet }; |
| delim4 | { whitespace, #, caplet } |
| delim5 | { mathop, &, |, ), period, numbers } |
| delim6 | { space, numbers, caplet } |
| delim7 | { [, =, mathop, bool } |
| deim8 | { space, ), period, comma, ;, Caplet } |
| math | { (, condop } |

***Literals***

|  |  |
| --- | --- |
| delim\_num | { +, -, \*, /, bool } |
| delim\_txt | { delim2, ;, comma, ) } |

***Identifier***

|  |  |
| --- | --- |
| delim\_end | { dtype, comma, mathop, =,( ', [, ], ?, #, $, \, ), ", ;, @, ^, ~, `, \_, !, <, > } |