**C subset定義**

關鍵字

|  |  |
| --- | --- |
| Token type | lexeme |
| PRINTF\_ | printf |
| MAIN\_ | main |
| RETURN\_ | return |

資料型態 (宣告變數):

|  |  |
| --- | --- |
| Token type | lexeme |
| INT\_TYPE | int |
| VOID\_TYPE | void |
| FLOAT\_TYPE | float |

支援之程式控制結構

|  |  |
| --- | --- |
| Token type | lexeme |
| IF | if |
| ELSE | else |
| WHILE | while |
| FOR | for |

部分函式

|  |  |
| --- | --- |
| PRINTF\_FUNC | printf |

特殊符號

|  |  |
| --- | --- |
| SPACE | 空格 |
| NEW\_LINE | \n |
| TAB | \t |
| ENTER | \r |

Program Statement

|  |  |
| --- | --- |
| Token type | Lexeme |
| EQ\_OP | == |
| LE\_OP | <= |
| GE\_OP | >= |
| LT\_OP | < |
| MT\_OP | > |
| NE\_OP | != |
| PLUS\_OP | + |
| MINUS\_OP | - |
| MULTI\_OP | \* |
| DIVID\_OP | / |
| ASSIGN\_OP | = |
| SL\_BRACK | ( |
| SR\_BRACK | ) |
| BL\_BRACK | { |
| BL\_BRACK | } |
| COMMA\_ | , |
| SEMIC\_ | ; |
| WS | (' ' |'\t') |
| NEWLINE | (' \r'|'\n') |