**C subset的描述**

1. keyword (關鍵字)

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

1. data type (所支援的資料型態)

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

3. program execution

main function

5. program control flow

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

6. 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') |