Subset of C

1. keyword (關鍵字) ( C已經定義好的token )

|  |  |
| --- | --- |
| Token type | lexeme |
| INT\_TYPE | int |
| CHAR\_TYPE | Char |
| VOID\_TYPE | void |
| FLOAT\_TYPE | Float |
| INCLUDE\_TYPE | #include <'(LETTER)\*'.h> |
| PRINTF\_TYPE | printf |
| SCANF\_TYPE | scanf |
| MAIN\_TYPE | mian |
| RETURN\_TYPE | return |

1. data type (所支援的資料型態)

|  |  |
| --- | --- |
| Token type | lexeme |
| FLOAT\_TYPE | float |
| STRING\_TYPE | “ ” |
| DIGIT\_TYPE | 數字 |

1. 註解方式
2. 註解 //
3. /\* \*/

4. program execution

程式可包含多個函式

5. program control flow

|  |  |
| --- | --- |
| Token type | lexeme |
| WHILE\_TYPE | while |
| IF\_TYPE | if |
| ELSE\_TYPE | else |
| FOF\_TYPE | for |
| BREAK\_TYPE | break |
| CON\_TYPE | continue |
| SWTICH\_TYPE | switch |
| CASE\_TYPE | case |
| DEFAULT\_TYPE | default |

6. program statement

|  |  |
| --- | --- |
| Token type | Lexeme |
| EQ\_OP | == |
| LE\_OP | <= |
| GE\_OP | >= |
| Less\_than\_OP | < |
| More\_than\_OP | > |
| NE\_OP | != |
| PP\_OP | ++ |
| MM\_OP | -- |
| RSHIFT\_OP | << |
| LSHIFT\_OP | >> |
| ADDRESS\_OP | & |
| POINTER\_OP | \* |
| T\_ASSIGNMENT | = |
| T\_Left\_parenthesis | ( |
| T\_Right\_parenthesis | ) |
| T\_Left\_brace | { |
| T\_Righ\_brace | } |
| T\_ COMMA | , |
| T\_SEMICOLON | ; |
| WS | (' '|'\r'|'\t'|'\n'|'\r\n') |