**C subset的描述**

1. keyword (關鍵字)

|  |  |
| --- | --- |
| Token type | lexeme |
| INCLUDE\_ | #include <'(LETTER)\*'.h> |
| PRINTF\_ | printf |
| SCANF\_ | scanf |
| MAIN\_ | main |
| RETURN\_ | return |

1. data type (所支援的資料型態)

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

3. program execution

main function

5. program control flow

|  |  |
| --- | --- |
| Token type | lexeme |
| IF | if |
| ELSE | else |

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 | / |
| MOD\_OP | % |
| SHIFT\_L | << |
| SHIFT\_R | >> |
| ASSIGN\_OP | = |
| SL\_BRACK | ( |
| SR\_BRACK | ) |
| BL\_BRACK | { |
| BL\_BRACK | } |
| COMMA\_ | , |
| SEMIC\_ | ; |
| WS | (' ' |'\t') |
| NEWLINE | (' \r'|'\n') |
| PLUS\_E\_OP | += |
| MINUS\_E\_OP | -= |
| MULTI\_E\_OP | \*= |
| DIVID\_E\_OP | /= |
| MOD\_E\_OP | %= |
| SHIFT\_E\_L | <<= |
| SHIFT\_E\_R | >>= |