# C Subset Description

## 1. keyword

1. void
2. char
3. short
4. int
5. long
6. float
7. double
8. signed
9. unsigned
10. extern
11. static
12. const
13. volatile
14. goto
15. break
16. continue
17. return
18. for
19. do
20. while
21. if
22. else

## 2. data type

1. void
2. char
3. short
4. int
5. long
6. float
7. double
8. signed
9. unsigned

## 3. 註解方式

1. //
2. /\*\*/

## 4. program execution

程式可包含多個函式

## 5. program control flow

1. goto
2. break
3. continue
4. return
5. for
6. while
7. if
8. else

## 6. program statement

Assignment Operator:

1. =
2. +=
3. -=
4. \*=
5. /=
6. %=
7. &=
8. |=
9. ^=
10. <<=
11. >>=

Arithmetic Operator

1. +
2. -
3. \*
4. /
5. %
6. ++
7. --

Comparison Operator

1. <
2. >
3. <=
4. >=
5. ==
6. !=

Logical Operator

1. &&
2. ||

Bitwise Operator

1. &
2. |
3. ^
4. <<
5. >>

Pointer Operator

1. ->
2. .

## 7. separator

1. (
2. )
3. [
4. ]
5. {
6. }
7. ;
8. ,

## 8. number

decimal、hex、float、exponent.

## 9. identifier

## 10. literal

character、string.

## 11. whitespace

‘ ’、’\r’、’\t’、’\n’