

subset of C language:

1. type :
 01. array
 02. pointer
 03. reference
 04. int
 05. float
 06. char
 07. void
 08. double
 09. long
 10. long long
 11. short
 12. unsigned
 13. signed
2. Each variable must be declared before it is used.
3. Each identifier can be only declared once
4. The types of the operands of an operator must be the same.
5. The types of the two sides of an assignment must be the same.
6. == 、 != 、 >= 、 > 、 <= 、 < 等運算的結果，其 type 為 boolean.
7. if-then
8. if-then-else
9. while-loop
10. for-loop
11. If-then, if-then-else, while-loop, for-loop 如果遇到比較的 operators，會是 return boolean，其他則為 type error(ex: a+b)