

# Topic: Java "rules"

Java syntax - rules for constructing correct Java code. Java, like all computer languages, has a formal grammar.

Semantics vs. syntax:

"meaning" vs. "form"

give meaning by writing code to do something.

Within the rules, "style" varies somewhat from programmer to programmer - but there are conventions which must be followed.

⇒ you must be more careful about stylistic conventions than about Java syntax. You have no compiler to help with conventions.

Comments :  
syntax:

① [C] /\* ... \*/

↑  
one line, many lines.

② [C++] // ...

↑  
to end of current line

style : don't overdo it !!!

- ① you might change the program,  
but forget to change comment!
- ② comments can be so obtrusive  
that they make code itself  
less readable.

Topic: Key Java "reserved words"

- int type of variable that can  
take on integer values  
ex: -3, 0, 52, -27

int sum = 0;

variable "sum" is of type "int"  
and will be initialized to 0