

# COMPILER CONSTRUCTION

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→ ~~Defining~~ Group Members.

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→ Defining compiler for Java.\*

A language is composed of keywords, operators, identifiers, constants, punctuators.

4) Keywords:

1) Data types:

- ① int
- ② double
- ③ string
- ④ char
- ⑤ Boolean = ~~True~~ / false

- 1 Code Structure: Java
- 2 Exception handling
- 3 class ← abstract  
final
- 4 funct ← static  
abstract
- 5 Arrays — ID  
for

2) Conditions:

- ① If
- ② else
- ③ ~~else if~~
- ④ Switch
- ⑤ Case
- ⑥ try
- ⑦ catch
- ⑧ finally

default  
break

Continue

### 3) Loops:

- ① ~~for~~
- ② while ✓
- ③ do while

### 4) Others: \*

- ① public
- ② private ✓
- ③ static
- ④ class
- ⑤ implements
- ⑥ extends
- ⑦ interface
- ⑧ return
- ⑨ void
- ⑩ new
- ⑪ <sup>protected</sup> Super
- ⑫ ~~constructor~~
- ⑬ main
- ⑭ this
- ⑮ abstract
- ⑯ final

### (B) Operators:

#### ① Binary Operation

- ① +
- ② -
- ③ x
- ④  $\div$
- ⑤ %

#### ② Unary Operators:

- ① ~~+~~
- ② ++
- ③ ~~++~~
- ④ --



## ③ Logical Operators:

① &amp;&amp;

② ||

③ !

## ④ Assignment Operators

① =

## ⑤ Relational Operators-

① ==

② !=

③ &gt;

④ &lt;

⑤ &gt;=

⑥ &lt;=

## ⑥ Punctuations:

① [

② ]

③ {

④ }

⑤ (

⑥ )

⑦ ,

⑧ ;

⑨ :

## ⑦ Identifiers: (Infinite)

① Regex with respect to regular expressions?

(E) Constants: (Infinite)

② With respect to regular expressions - ?

Comments

Size

96 //

ML

1/2 -- 5/