

Tokens

Outline

1. Tokens
2. Types of tokens
3. Character set
4. Keywords(Reserved words)
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Tokens

Tokens are the various elements in the java program that are identified by Java compiler. A token is the smallest individual element (unit) in a program that is meaningful to the compiler.

```
final int a = 12; // Here we have 6 tokens;
```

Character set

Java **Character sets** are the smallest units (elements) of Java language that are used to write Java tokens. These characters are defined by the Unicode character set.

Types of tokens

Token types

- Keywords(Reserved words)
- Identifiers
- Literals
- Operators
- Separators

Keywords, Reserved keywords

There are 67 words as keywords and these keywords are called reserved keywords. These reserved keywords combine with operators and separators.

- Data Type
- Access Modifiers
- Control Statement
- Object and Classes
- Modifiers
- Exceptions
- Package
- Miscellaneous keywords

Data types
byte
short
int
long
float
double
char

Access modifiers
private
protected
public

Modifiers
static
abstract
synchronized
volatile
native
transient
strictfp
final

Package
package
import

Control statement
else
switch
case
default
for
while
do
continue
break
goto
if

Object and Classes
class
interface
extends
implements
this
super
new

Exceptions
try
catch
finally
throw
throws

Miscellaneous keywords
Return, goto, constant, instanceof, void, assert, default, enum, var, record
Exports, module, non-sealed, open, opens, permits

Interview Questions

The only thing standing between you and outrageous success is continuous progress.