

Tokens

Outline

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

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	Modifiers	Control statement	Object and Classes	Exceptions
byte	static	else	class	try
short	abstract	switch	interface	catch
int	synchronized	case	extends	finally
long	volatile	default	implements	throw
float	native	for	this	throws
double	transient	while	super	
char	strictfp	do	new	
	final	continue		
Access modifiers	Package	break	Miscellaneous keywords	
private	package	goto	Return, goto, constant,instanceof, void, assert, default, enum, var, record	
protected	import	if	Exports, module, non-sealed, open, opens, permits	
public				

Interview Questions

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