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## Keywords & Identifiers in Java

## **=> Separators :-**

-> A separator is a symbol that is used to separate a group of code from one another.

-> Separator help to define the java program structure

-> Types of separators :-

### **1. () - Parentheses :**

> Encloses the arguments in method definitions and calling

> Adjust the precedence in arithmetic expressions

> Used in testing the expressions in control statements

> Used in casting

### **2. {} - Braces :**

> Used to define the block of class or methods or blocks

> Used to put values in arrays

### 3. [] - Brackets :

- > Used to declare an arrays
- > Used when dereferencing array values

### 4. ; - Semicolon :

- > Used to separate or terminate the statements

### 5. , - Comma :

- > Used to separate the variables declaration
- > Used to chain statements together inside a for loop

### 6. . - Period

- > Used to select methods or fields from an object
- > Used to separate package name with sub-package name and class name

## **=> Punctuators :-**

-> Punctuators are the symbols or tokens that has semantic meaning to the compiler

-> Types of punctuators :-

1. ? - Question Mark

> Used in ternary operator

2. : - Colon

> Used after loop labels

3. :: - Double Colon

> Used to create method or constructor references

## **=> Comments :-**

-> There are three types of comments :-

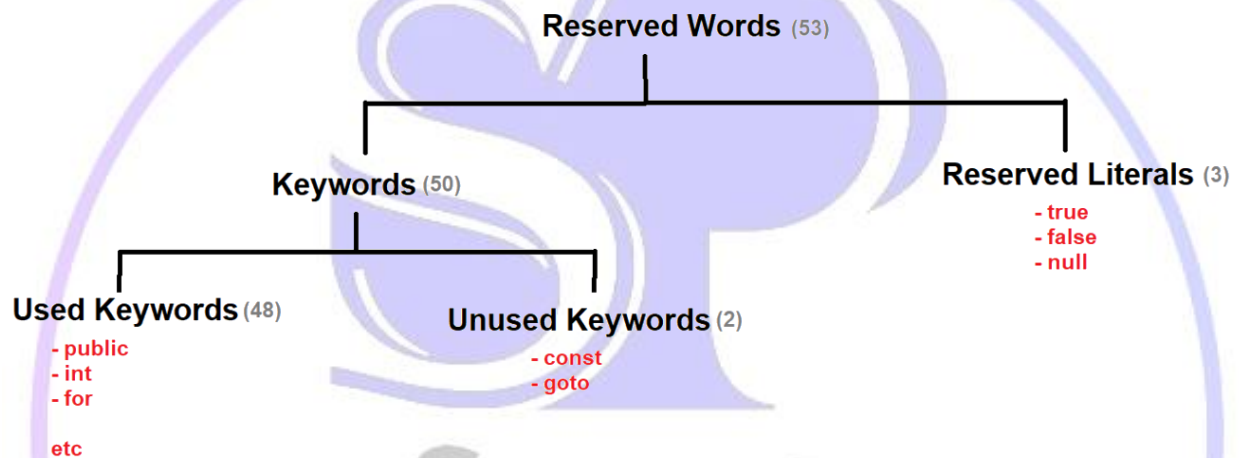
1. Single Line Comment - //

2. Multiline Comment - /\* ----- \*/

3. Documentation Comment - /\* \*- \*- \*- \*- \*/

## => Keywords/Reserved Words :-

-> Keywords are the predefined words having any specific meaning



## List of Keywords in Java

Primitive Keywords	Control Statements Keywords	Keywords used in OOP			Return Type Keyword	Others	Exception Handling Keywords
		Class Related Keywords	Object Related Keywords	Access Modifiers			
- boolean - char - byte - short - int - long - float - double	- if - else - switch - case - default - for - while - do - break - continue - return	- class - interface - package - import - extends - implements	- new - instanceof - this - super	- public - protected - private - abstract - static - final - synchronized - volatile - strictfp - native	- void	- enum	- try - catch - finally - throw - throws - assert



## **=> Identifiers :-**

-> Identifier is any name, it can be variable name or class name or interface name or method name or package name etc.

-> Rules for identifiers :-

1. Spaces cannot be used
2. Only two symbols i.e. \_ and \$ can be used in identifiers name
3. Integer values cannot be used at first position but can be used after first character
4. Reserved words cannot be used as an identifier name

-> Naming Conventions :-

Explained using image in next page

Naming Conventions in Java			
my,java,demo	my	my, java	my, java, demo
class, interface	My	MyJava	MyJavaDemo
methods	my()	myJava()	myJavaDemo()
variables	my MY	my_java MY_JAVA	my_java_demo MY_JAVA_DEMO

1. Which is correct

1. import or imports
2. implement or implements
3. extend or extends
4. instanceof or instanceof

## **Company Links & Contacts**

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