

Type Casting

Converting one datatype to another datatype is called type casting

Types

1. Implicit – Automatically performed by the compiler

```
class typecasting {  
    public static void main(String args[]) {  
        int a = 10;  
        double b = a;  
        System.out.println(b);  
    }  
}
```

2. Explicit – By default the compiler, does not allow it.

```
class typecasting {  
    public static void main(String args[]) {  
        double a = 10.9;  
        int b =(int) a;  
        System.out.println(b);  
    }  
}
```

Tokens

It is the smallest elements of a program that is identified by a compiler. Every java statements and expressions are created using tokens.

Examples

- Keyword - int, static, void etc(50)
- Identifier - variables, method, class-name
- Operator - +, -, *, && etc
- Separator - ;, coma, ., :, () , {} etc
- Literal – Boolean, Integer, String, Character

Keywords

Keywords are the reserved words whose meaning is already defined in the compiler.

abstarct	continue	for	new	switch
assert	default	goto	package	synchronized
boolean	do	if	private	this
break	double	implements	protected	throw
byte	else	import	public	throws
case	enum	instanceof	return	transient
catch	extends	int	short	try
char	final	interface	static	void
class	finally	long	strictfp	volatile
const	float	native	super	while

Identifiers

The name of a variable, method, class, package or interface that is used for the purpose of identification, is known as identifiers