

Cheatsheet Java

Comments
Single-line Comment: <pre>String txt = "Hello!"; //this is a Comment System.out.println(txt);</pre>
Multi-line Comment: <pre>String txt = "Hello!"; /*Comments will not be executed */ System.out.println(txt);</pre>

Control structures
<pre>if(condition1){ //if condition1 true, execute } else if(condition2){ /*if condition1 false and condition2 true, execute */ } else{ //if everything false, execute }</pre>

Types			
Primitive data types:			
Type	Size	Type	Size
byte	8 bit	float	32 bit
short	16 bit	double	64 bit
int	32 bit		
long	64 bit	Type	Value
		char	'a', 'G'
		boolean	true, false
		void	-
Typecasting: <i>byte</i> → <i>short</i> → <i>char</i> → <i>int</i> → <i>long</i> → <i>float</i> → <i>double</i>			
Non-Primitive Data Type:			
Type	Size		
String	"Hello World!"		

Declaration, Initialisation, Assignment
Declaration: <Type>< Name>; int a; Initialisation: <Type> <Name>=<Literal/Variable>; int b = 50; int b = a; Assignment: a = b;

Operations		
Arithmetic:		
Operation	Example	
+	3 + 5 == 8	
-	7 - 2 == 5	
	4 * 2 == 8	
/	7 / 2 == 3	
% (Modulo)	72 % 10 == 2	
Comparison:		
Operator	Math	Example
>	>	5 > 2
>=	≥	5 >= 2
<	<	10 < 21
<=	≤	5 <= 5
==	=	5 == 5
!=	≠	-32 != 32