Java divides the into the following groups:

- Arithmetic operators Assignment operators
- Comparison operators
- Logical operators Bitwise operators

Arithmetic Operators

Arithmetic operators are used to perform common mathematical operations.

Arithmetic operators are used to perform common m				athematical o	
Operator	Name	Description	Example	Try it	
+ ,	Addition	Adds together two values	x + y	Try it »	
_	Subtraction	Subtracts one value from another	x - y	Try it »	
*	Multiplication	Multiplies two values	x * y	Try it »	
/	Division	Divides one value by another	x / y	Try it »	
%	Modulus	Returns the division remainder	x % y	Try it »	
++	Increment	Increases the value of a variable by 1	++x	Try it »	
	Decrement	Decreases the value of a variable by 1	X	Try it »	

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Java Assignment Operators

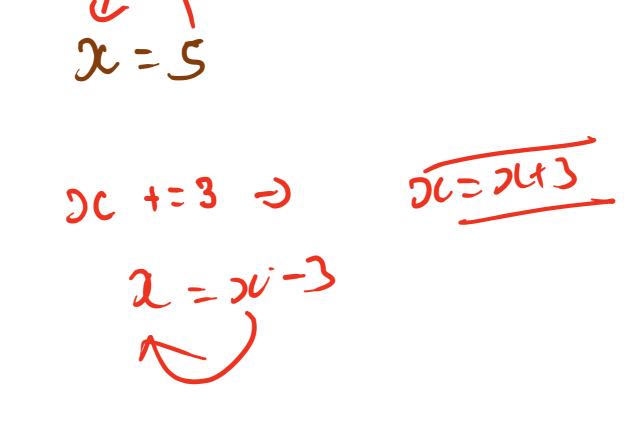
Assignment operators are used to assign values to variables. In the example below, we use the **assignment** operator (=) to assign the value **10** to

a variable called x: Example

intx = 10; Try it Yourself »

The **addition assignment** operator (+=) adds a value to a variable:

Example			
A list of all assignment operators:			
Operator	Example	Same As	Try it
=	x = 5	x = 5	Try it »
+=	x += 3	x = x + 3	Try it »
-=)	x -= 3	x = x - 3	Try it »
*=	x *= 3	x = x * 3	Try it »
/=	x /= 3	x = x / 3	Try it »
%=	x %= 3	x = x % 3	Try it »
&=	x &= 3	x = x & 3	Try it »
=	x = 3	$x = x \mid 3$	Try it »
^=	x ^= 3	$x = x ^3$	Try it »
	<pre>intx =10;x Try it Yourself A list of all Operator = += -= *= /= %= /= </pre>	intx =10;x +=5; Try it Yourself » A list of all assignmen Operator Example =	intx =10;x +=5; Try it Yourself » A list of all assignment operators: Operator Example Same As =



x >>= 3 x = x >> 3 Try it » x <<= 3 x = x << 3 Try it »

Java Comparison Operators

	Comparison operators are used to compare two values				
	Operator	Name	Example	Try it	
	==	Equal to	x == y	Try it »	
(<u> </u>	Not equal	x != y	Try it »	
	*	Greater than	x > y	Try it »	
(Less than	x < y	Try it »	
	/= /	Greater than or equal to	x >= y	Try it »	
	/=	Less than or equal to	x <= y	Try it »	

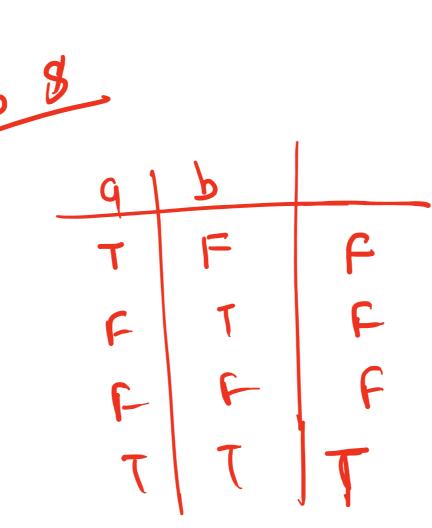


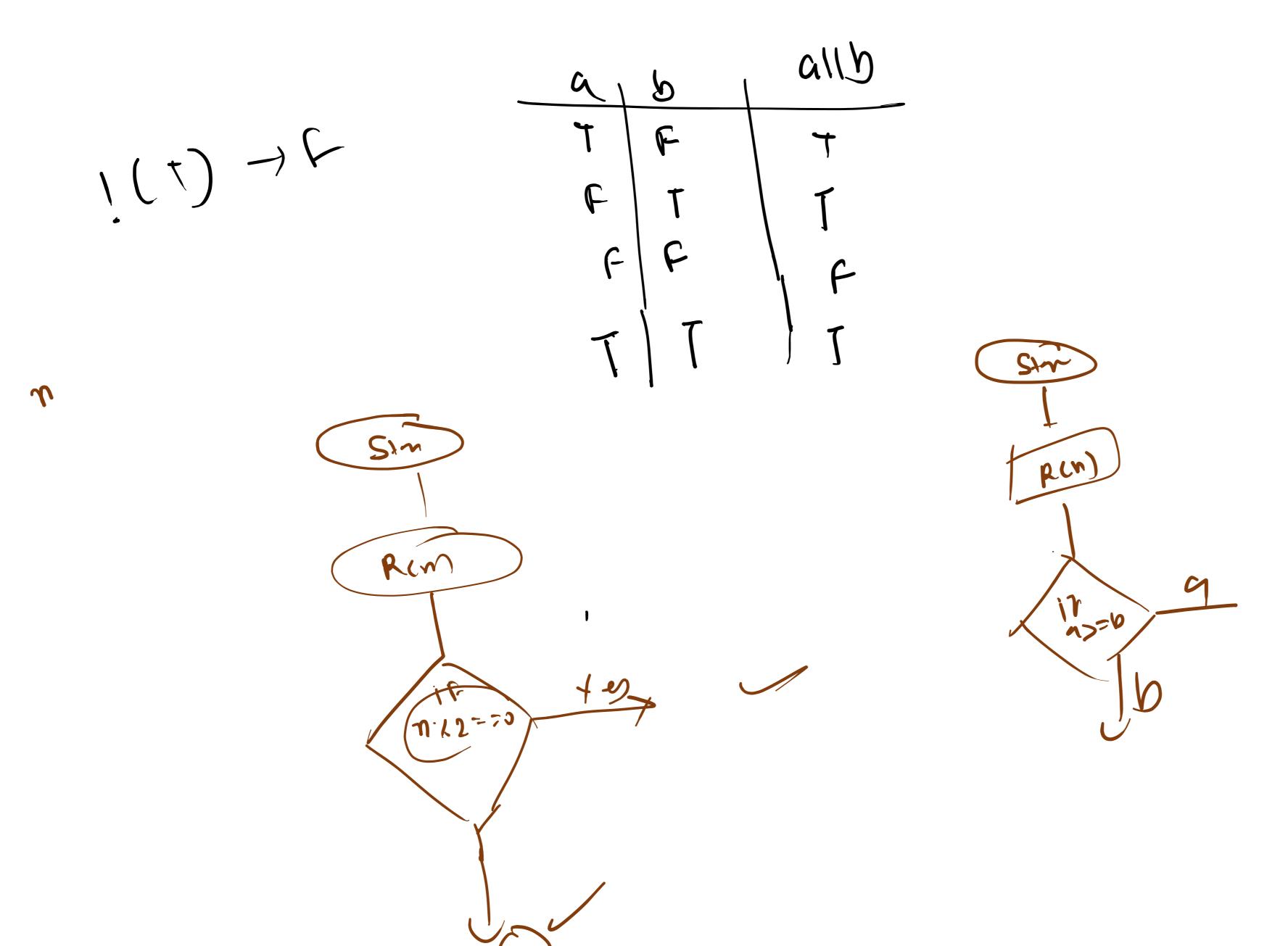
	Operator	Name	Example	Try it
	==	Equal to	x == y	Try it »
	!	Not equal	x != y	Try it »
J		Greater than	x > y	Try it »
(Less than	x < y	Try it »
	/ =/	Greater than or equal to	x >= y	Try it »
	/ =	Less than or equal to	x <= y	Try it »

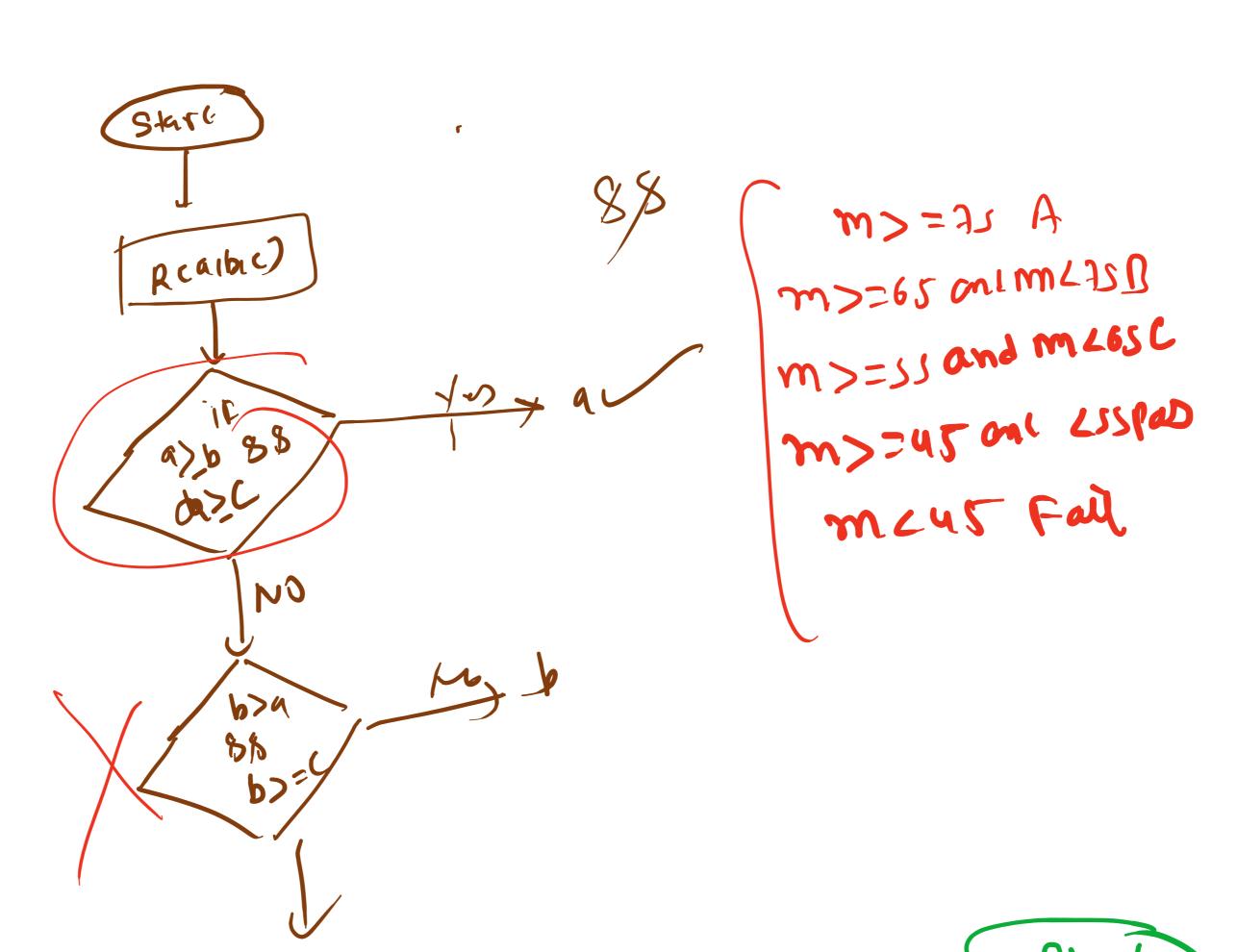
Java Logical Operators

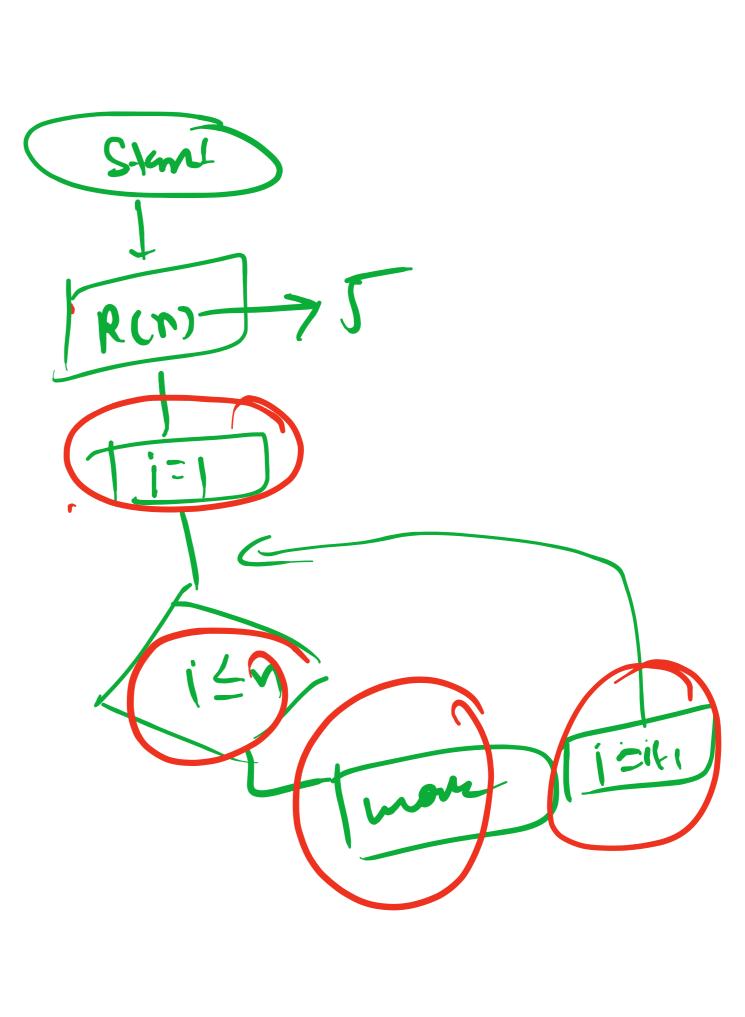
Logical operators are used to determine the logic between variables or values:

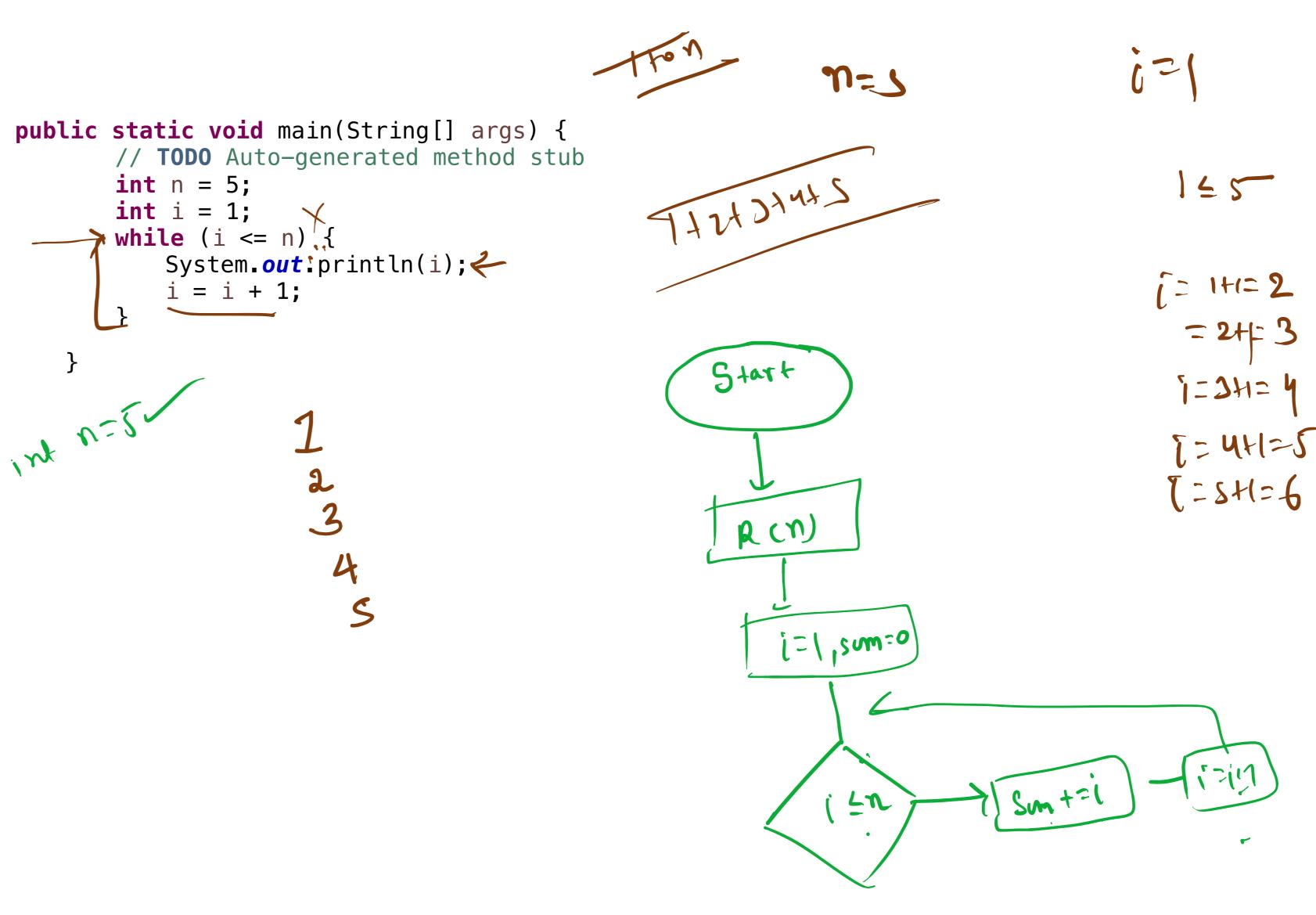
Operator	Name	Description	Example	Try it
&&	Logical and	Returns true if both statements are true	x < 5 && x < 10	Try it:
11	Logical or	Returns true if one of the statements is true	x < 5 x < 4	Try it:
!	Logical not	Reverse the result, returns false if the result is true		

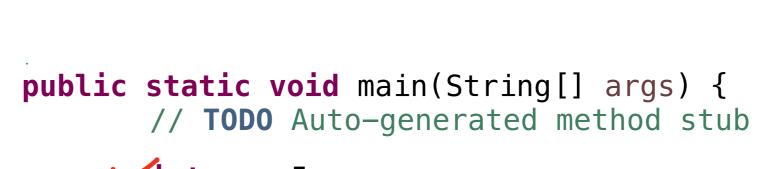












int usa N int n = 5;
int i = 1;
int sum = 0;
while (i <= n)_{{</pre> sum = sum + i;i = i + 1;System.out.print/n(sum);

m=5

Sum =0 1=1 Sum=ofl - | 42 -31 =6.19

int a = 9;
// System -

System.out.println(a++);// a= a+1; System.out.println(a); int x = a++ + 7 + a-- - a-- + a-- + 7 + a++; System.out.println(x);