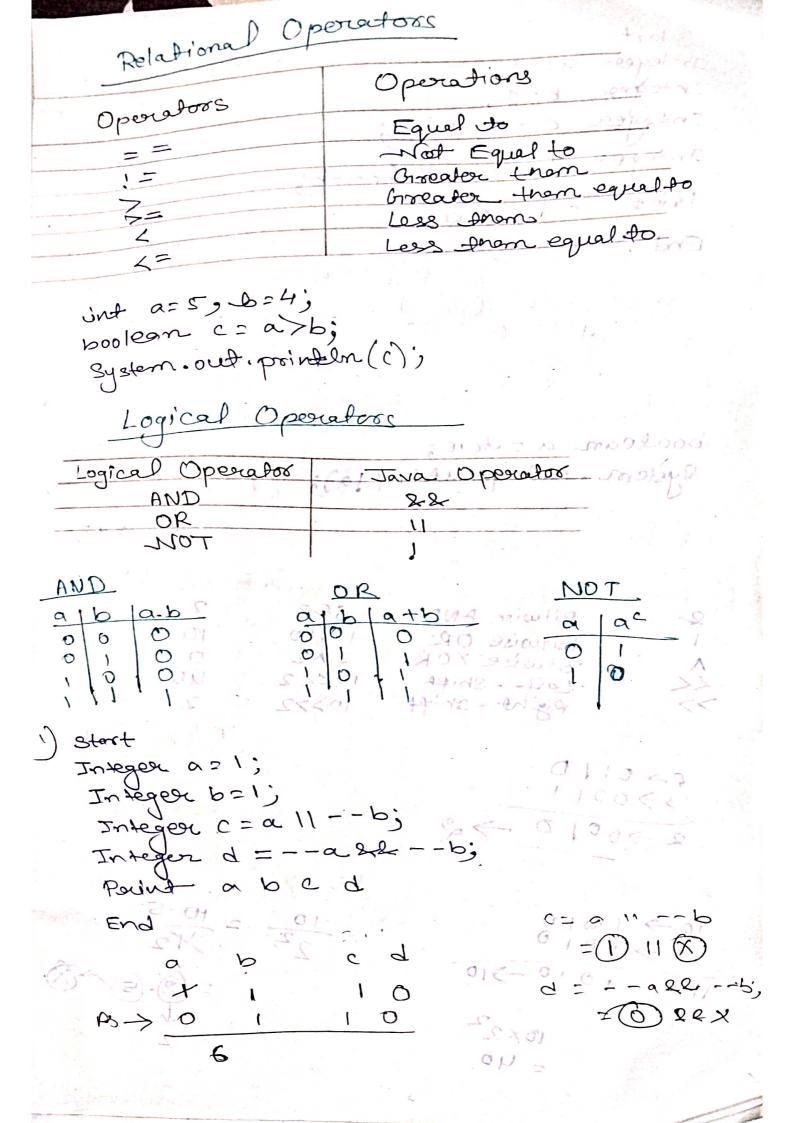
Java Operators Operator Operand Operator Result Operand (Dloerang) Assilhmetic Operators Arithmetic Operators Multiplication) Subtraction() (d) Modulus Addition (+) int a=13, b=6, Bystern. out. point ("The sum of a and Dies"); system out poureln (a+b); //19 System. out. pound ("The difference of a and is System. out. paintln (a-b); //Z System. out paint ["The product of a and bisis] System. out. pointln (a & b); 78 System. out. point (u-the quotient when a vis divided by bis!); System. out. printen (a.16); 1/2 Eystern. out. point ("The remainder when a is divided by bis 19) System. out. pointen (a.1.6); /// retor transparent yeler int = just that - Int int = Proud float = float took = float

```
int a=13, b=6;
 61000 C= 6.06?
 $1000 d = 13.0 p.
System. out. point ("The sum of or and bui")
 System. out. pointon (a+b);
System. out. point ("The difference of a ont
                     رُ (١١ من ط
system.out. pointln (a-b),
System out print (4 The product of a and
                      b is 1175
System out printen (axb);
System out point (4 The quotient when a
    is divided by built
 System. out. printeln (a/b):
 System. out. protesten (a)c).
 System. out. printla (clay).
  Zyssen. Out. pointen (C/d):
system out point ("The remainder when
       a is divided by b is 11). Wing the on the
System. out. pohulen (a.1.6),
Unary Openators Unary Openators 2003 76' nany
                           eq . Luc - sont
Increment Operator ++9 +2 -2
                               Tham
Decrement Operator -- 9
Logical compensation!!!!
```

int a = - 10; int b = +10; poolean c=tunb; boolean d = .10; unt 6 = 13; Systemious, printon(a); // -10 82 stores. Ong. beingles (P): 11 +10 27 stern. out. pohulen (c), 11 source System, out println (d); // false 2/24em. out. print(2 10) 1/ 13 System. Out. pointln (+46) //14 System out pointen (e++); // 14 System out pointly (--e),1/14 System out rodulin (em); // 14 13 System, out pointen (e); 1/ 13 pooleon h= pare? 2 step 1/ (hi) urprind . eno. worshes · Ternary Operator (Condition)? (Expression 1): (Expression 2) TRUE part FALSE paret W nI =5, m2=10, man; max = (47 >45); utius; System. out. Brinton (Maximum es = 4+ swar)? 2 - 110

Shift Operators shiff operators rept shift Right Shift 15<8 00100 000100 divided by 2 a>76 left Shiff 13100 aLLb 0010



$$d = a = -22 - -b; = 1$$

$$= 0 20 0$$

$$= 0 20 0 0 0 \rightarrow 2$$

System a = toue; System out println(1a); // false

Bitwise Operators

9 421

		Example	Result
. Openator	Name Bitwise AND	623	2
2	Bitwise OR	10/10	10
	Bitwise XOR	212	0
11	Left - Shift	1042	UD;
77	Right - Shiff	10>>2	2

$$\frac{623}{3>00110}$$

$$\frac{3>0011}{2>6010} > 2$$

A /	B	AVB
700	0	0
0	1	
20	0	26 11
= 51 ,	2	10

 $\frac{10 | 1 | 10}{10 > 10 | 0}$ $\frac{10 > 10 | 0}{10 > 10}$ $\frac{10 < < 2}{10 < < 2}$

= 40

System. out pointln (623); system. out. paintln (10110); System. out. pointen (212) System. out. printen (102<2); system. out. privalen (10>>2); Assignment Operators a='s's assignment a = = Suclational a = t = 0 a = a + 520 perator 30 persond rodorego word age = age +1 age = + = 1 1 Jaron 2018 Smoon xit 259 1 Jan 2019 mano dug mond Example Equivalent Expression m=10 Operator m + = 10 more m+ 10 += 20.1.510 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10 20.1.10m-=10 米二 /= ソ・ニ a << = b rollandi = mach 242 a = a>>>b a>>=b フフニ a=a>>>b a>>>= b ンンンニ a2 a2 b a 2 = b 2= a = a1b $a \wedge = b$ 1= a== a 12 a = b1=

that enally work early livore leups

- 12 M

Java Operator Poiority 2 Accociativity

2 + 3 x/4 > provocity high

2 + 12 > 14

2 + 4 - 3 - Accordativity last to r

2 + 4 - 3 -> Associativity left to object
secons + and - both are
some posiosity

6-3 -> 3

		3 Alas
Occas Anx	Doscoiption	Associativity
perator	- Parentheses or function call	
C]	Brackets or array subscipt	Ueft do
•	Dot member selection operator	right
→ >	Heron Oberapar	300
++	Postfix increment/decre ment	
++	Prefix increment / de crement	
	Unarry plus and minus	right to
1	not operator and bitwise	le ft
(Jupe)	type carr	~~~
2		= A-
Sizerof	Address of operator Determine size in bytes	= 11
* / ./.	Multiplication, division and	defte to
	modulus	eright
+ -	Addition and subtaction	left took
11.5	Bitwise left shift and	left tons
<< >> ;	right shiff	
< <= ,, ····	relational less than/less than	Deft.
		•
> >=	greater than or equal to	ngos
	Si Equal to	

Relational equal to or net L to R == .!= LLOR Bitwise AND Bitwise exclusive OR LROR 22 Bitwise on clusive or L top ^ LtoR Logical AND 82 1 JOR Logical OR Tomary operator R to L ?: R so L Assignment Operator Addition/subtraction assignment + = Multiplication/division assignment / = 米二 Modulus and bitwise assymmed 2= 1. = Bitwise exclusive/inclusive 1= 1 = OR assignment >>= . イベ ニ cororna operatos L JOR REBL TAC PUMA'S at . And other water of the bute. It

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