comparison with metric operators

$$(+,-,/,*,*,*)$$
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 
 $(+,-,-,/,*)$ 

```
System. out. privatin (m > 100);

System. out. privatin (m > 100);

typus | false

90 > false

200 = true
```

logical operators 44 (AND) (OR) ( NOT) 88 (\*) Troick = 7=1, F=0 ours T(1) T(1) Tru T(1) F(0) O False F(0) 7(1) 0 false £(0) £(0) 0 false out if both the conditions are true then only the 0/8 is tens (9+5)78 (44) (3+6)==18 Jour Toul

> 11 (OR) + b ows T(1) T(i) (3×6)>18 11 57.2==1 18>18 11 towe false trove

I in 44 operator if any of the value either a or b is false the off will be false with a cither a or b is true the off bill be true

```
1. boolean ans = 40>=2*45 || 30>=2*10

2. boolean ans= 40>3 && 20>3

3. boolean ans= 50>7 && 30>=40

4. boolean ans= 50<25 || 30>2

5. boolean ans= 70<=75 || 40<=2

6. boolean ans= !(45==35)

7. boolean ans= (20<32 && 2!=30) && (35>=20 || 35!=25)

8. boolean ans= !(20>=30)

9. boolean ans= !(40==2*20) && 75==15*5

11.boolean ans= !(40>=40) || (50>=2*25)

12.boolean ans= !(10*5==50) || (2*3==7 || 9==28/3)

13.boolean ans= (20*5==100 || 10!=10) && (30*2==60 || 50<40)

14.boolean ans= (!(90>=40) && !(80>36))

15.boolean ans= ((50>=20) || 90>2*45) && (30!=2*15)
```

Dotatypes		8'24	default value	Example
byte short int	numerical numerical	1 byte 2 byte 4 byte 8 byte	0	byte a= 1; short a= 10; just a=-200; long a= 99999;
long float double	numerical decimal	4 byte 8 byte	0.0 0.0 false	float f = 10.5f; double d = 10.5; boolean b = false;
boolean	binary (T/F) character	no size	, ,	chan ch = '\$';