

Today's agenda
by please and double by operators.  by it else
La Operatore
h it else
MALOODrop
MAN AIGULIED



// Decimal → 2.2 , 1	.3, 10.0, 3.76 etc.
Lo blood 2	double
- £	long -> (. 14-15 decimal Places)
(. 6-7 decimal places)	

Integer Chang 1: 10°L;

Decimal



* 2 Golden Rules of typecasting
41. if there is quaranted no loss of data: inflicit
61. if there is guaranted no loss of data: inflicit
llook do double
blood to double.
less it there is a change less less of the them
42. if there is a chance for loss of data then:
we can still do the Conversion forcefully: enlicit
En: long to int
double to float
+44+400100
6 / 11 9 0 1 1 0 0



QuiZ 1:	
	double d = 2.8; -> 2.8
	System.out-pointln(d);
Quiz 2:	
	float 1: 3.3); -> 3.3
	System.out.pointln (1);
Qui23:	float $f = 3.46$ ;  double $d = 6$ ;  System. out-printle(d); $\Rightarrow 3.4$
Qui24:	3,4
	double 0= 3.4;
	floor b=d; -serior
	System.out.pointln(1);
	double d= 3.4;
	float 1: (float)d; er consect Syman
	System.out.point(n(1);



## MoPeration

Li Rule 1: mathematical operation between decimal and non-decimal, Result; decimal

b Rule 2: Operation between Same Category but

different Calacity, Result: bigger size

En: Int + long -> long

float + double -> double

long + double -> double

int + int -> int

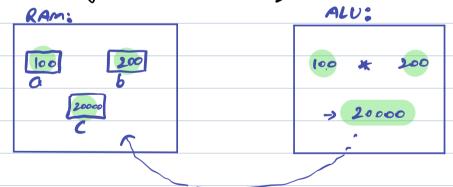
11 En:

int a = 100;

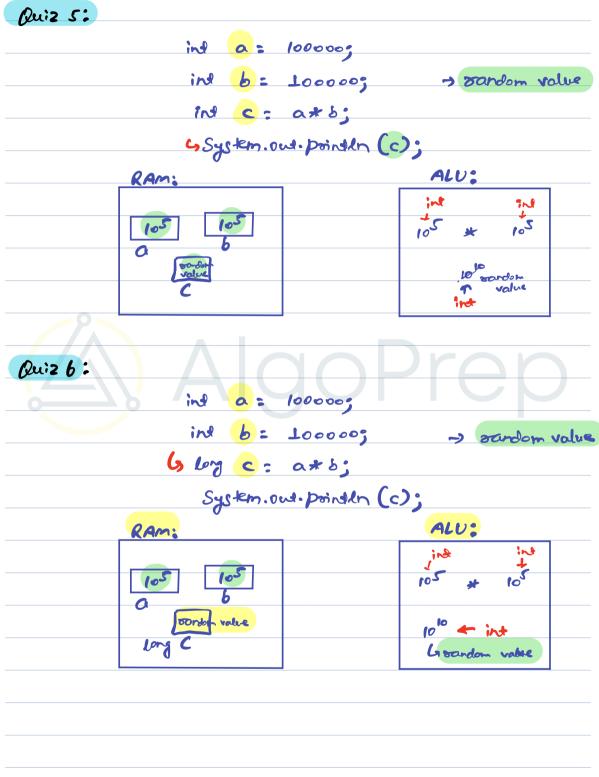
ind b = 200%

unint c = arb;

System. out. pointln (c); -> 20000









## Qui2 7: ind a: 100000; System.ow.pointln (c); ALU: RAM: - int 4 sandon value Qui2 8: ind a: 100000; ind b = 100000; by c: (10y)(a) \*b 4 System.out. pointen (c); ALU: RAM: Llong 1010 -> long



* Arithmetic operator	gemainder
L +	, <b>-</b> , <b>*</b> , <b>/</b> , <b>%</b>
	6 20 % 2 = 2
	b 50 % 10 = 0
Qui2 9:	
System.out.	pointln (16/3); → 5
	ALU:
	int vint
	Softs. → int
	45
Qui2 10:	Modran
	ALU
System.ou	- pointln (25%); 25.0 / 2
	6.333 Joule
	113037)dows
Qui2 11:	
	.out. println (35 7.9); -> 8

## \* Relational operators -> used to check selation between en: >,>=, ==, <ex.2 data.

	<u> </u>		
	21:8 y=10	reis yer	n=13 7=13
n less than y: n <y< td=""><td>toue</td><td>false</td><td>false</td></y<>	toue	false	false
n golater than y:n>y	false	toue	false
n golates than equal noing	false	true	true
n Smaller than equal to y; nesy	tour	false	tue
n equal y:	false	folse	toue
not equal y	true	toue	Lalse

## Conditional Statement



11 1

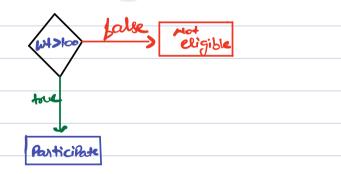
J. Check if Person is eligible for Car driving license.

Appears lake rot eligible

eligible

eligible

2. if Person is above rookg in weight, he can particilate then only.



idea? When we want to do Something on the basis of Condition being tous.

Syntan: if (cond) { Il lines you want to enecute 11 the Cond is toue. 3 a) 4 = = 5 6 (valid cord" but will give you false) b) 4<5 W c) 4+5 XX Q) Read a number (age of Person), if Person is eligible to get driving license Point "eligible" otherwise don't do anything. Scanner Scn = new Scanner (system.in); int age = son. nend Int (); if (age >= 18) 4 System.out. pointln ("eligible");



Qui2 12:	
	int = 20;
	3.0.p ("Hello");
Hello Hello	2
Tiere field	
	S.o.p ("Hello");
Qui2 13:	
	ing ac 200
19	int n= 20;
	int y = 25;
<del>                                     </del>	<del>Algorieo</del>
0 8	if (2>=25) \ S.O.p ("Algoral 1);
	S.O.p ('Algoral's);
Algorolp 2	3
<b>V</b>	i( (y)=25) {
	if (y>=25){ S.O.p (Algoroer2);
	1
Qui 2 14:	
Lung I II	124 (10 NO) A
	S.D.p ("Algobers"); Algorsers
	if (15 > 25) ( 5.0.p ("2rd");
	5.0.p ("2nd");



ind $y = 65$ ; $\int \frac{55}{x}$ $\int \frac{57}{x}$
AND IN
[i] (n>55)1
ij ( 255) 1 S.O.p ("jirst");
n:n+25
,
Second 122   if (y >= 60) 4
Second 122  if (y >= 60) 4  S-0-p ("second");
5.0.p ["second");
y= y+2 ;
S. O. p (n+y);