public static..., 4 another by static public. On executing the program will give order saying two 5 same main' is being used 14/06/17 VARIABLE RAM Cells in RAM created by 95 Brogram reserves some of space of RAM This is known as variable. Variable are just a name given to a memory location. I that that memory location is used to hold the Note: We can be also goto that particulare escent to by their addresses, this is known as pointers. JAVA Durit have Pointers because a their complexity (P") and drant I danger of data leaking breaching. DATA TYPES Constructed for proper reversation of cells in RAM 4 provide mutual for proper memory allocation. Data Types Non-primitive (In-Built) Cuser defined) Natapplicable,

(Referenced) in Java Numeric Boolean ->class > Interfere (13 yte Integral Floating: -> Arrays -> Float 95! -> Enum Integer i Character b Reference ID 4 ontes 1-16yte-15 Jemp Hopef. Lichar (2b) -> 3hort 26 all larghoure 16 >int 45 but Javagavezb Hong 86

Since Boolean only has constants

Cither 'True' / Fabre' so it Points

to 'NULL'. So, no memory is

Given to Boolean. It just

Checks with Logical of Operator. 15/06/17 · Concept for 164 1byte = 8bits. Lalin -> 256 L We allated binary code for every nd to accomposatevery Latin Character in binary we inceded 28 Combinations (256 = 28) for this 8 bits are required as [1] 2 [3 ] 4 [5 [6 ] 7 ] 8] Fromhere 1 byte = 8 bit graine 

1 20 No. 1 1201

\* Now; There were other languages too

A new code system is made in which fellowing code system is used. 0-255, 256, 257---Latin Other lang. For this '2 Byte' in a code system is used. 25535 Above system fell show 30

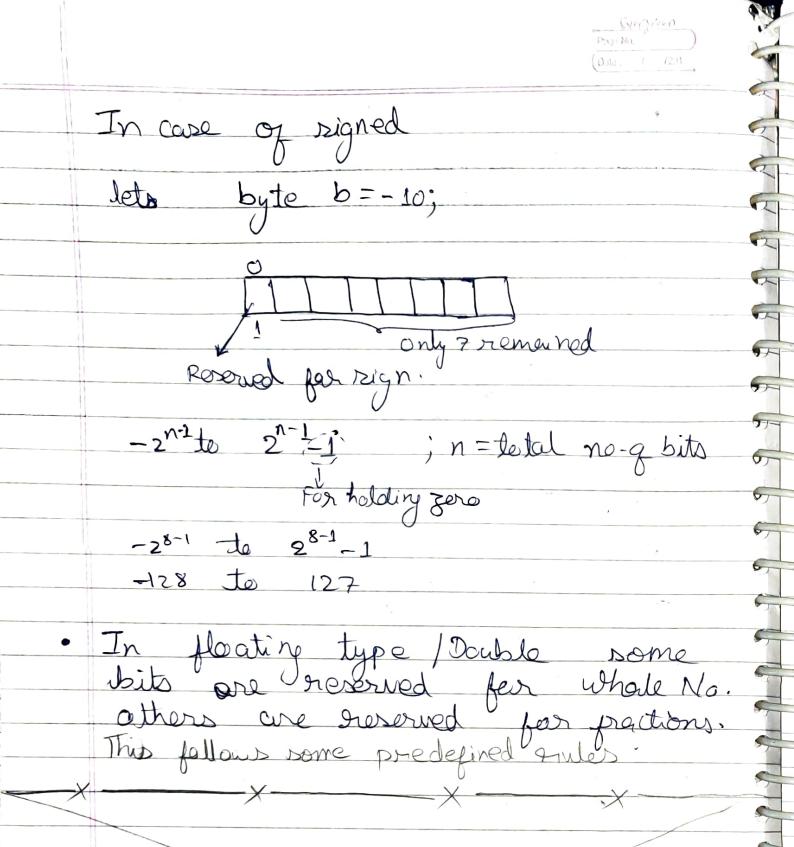
Now unicode system is used in which

Every No. is instead of the dividing

by Sine divided by '16' 4 stories

The value Trinory we divide by So, Norre than 85535 can be used

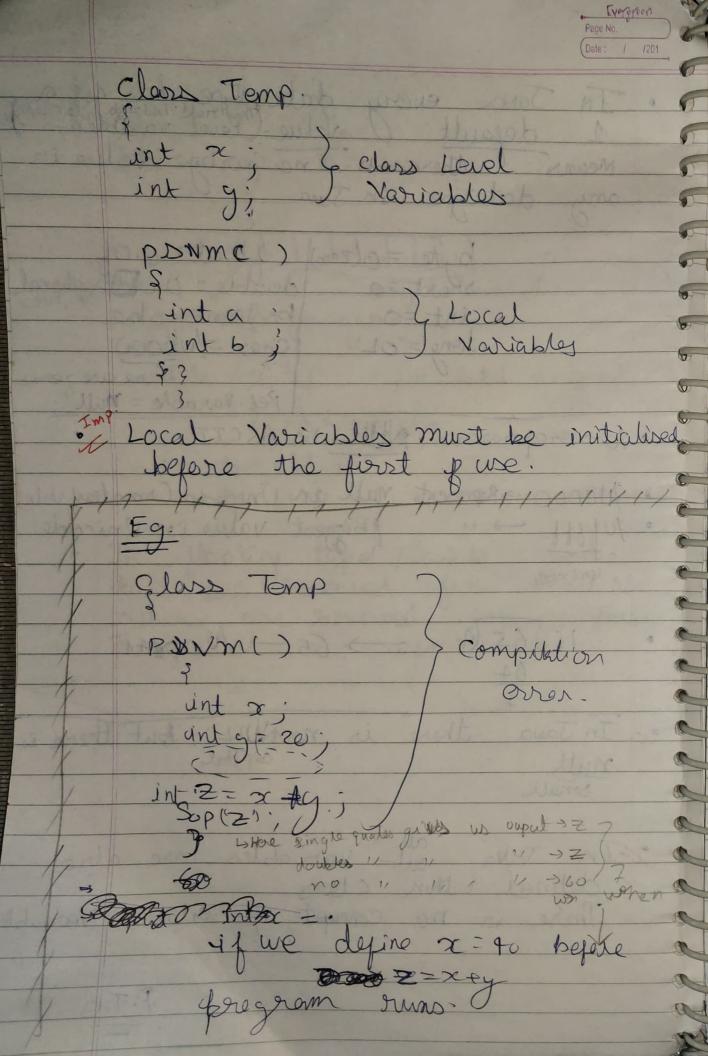
for some 16 bit marking Java Supports UNICODE SYSTEM In Java all the Numeric datatypes are Signed · It you to define any variable as a signific that means that variable can hald "tive" A "-ve" tothe values onsigned that means that vouable can hold only "tve" values.





In Java every data type has got a 1 default value trevel variables. Means there is no Garloge value in any datatype in Jona. byte = 0(zero) float = 0.06 double = 0:01 septional skort =0 int =0 /boolean= take 1 Chan =/46000 long = OL these are zeros | Pef. Varable = Mull · 10 - orepresents MULL in ASCIT . 100000 > Represents null in Unicodo Comallar Valle) · /Ufft >> ,, Jibiggest value in Unicode 18×10×10×18 > 65 -> 100041 16)65 A -In Java there is no AULL; but there is small In Jaka all variables are also defined within Clars
There is no concept of Global Variable P. T. O

Ti



I Word Show (by to b) Show (b)

Show (b)

Show (b)

Show (b) Show (b) prig. will bind. B' with proper date type. I c here it will bind with by te' Noce, Show (10) ba literal/constant
Livill belong to int in java Java In Java all integer literals are treated as a "int." But some times, if -3 >how (1000000000) We can a use a suffix 2. Tand some it from data rule, Auchas Show (100000000L) Tony applicable to is long's net to byte' or anothing.

(Date: / Class Temp 1 DANME) d=bfc; Dop(d); Ans > Its a compilation error No, the and will not be '30'. Old The result after operation are always Pacq.ing) literals and we can catch it in any data type. But in Java, all literals belong to 'int' 4 vings. prog. we of tried to catch 38? in O byte' 4 A I hence leads to compilation and. Cross. Far salving error we use type casting 1 d = (byte)(b+c)

Cook : 1 1201
Now, in floating Literal
Show (2.4); Noid show(yloat f)
Void & show (double d)
In Java all the floating literals are threated as double
To we want to treat as float wo we it as  whow (2.4.1)!  (Insagin.
ASSOCIATION TO THE CAUSE TO THE
AJAB JAVA KI GAZAB KAHANI  pit should be a error but  byte b=10, > pis not a error it is defined  from intial as byte?
ploat $Z = 2.4;$ it gives evan.  to store as float we suffix 't'  float $Z = 2.4;$

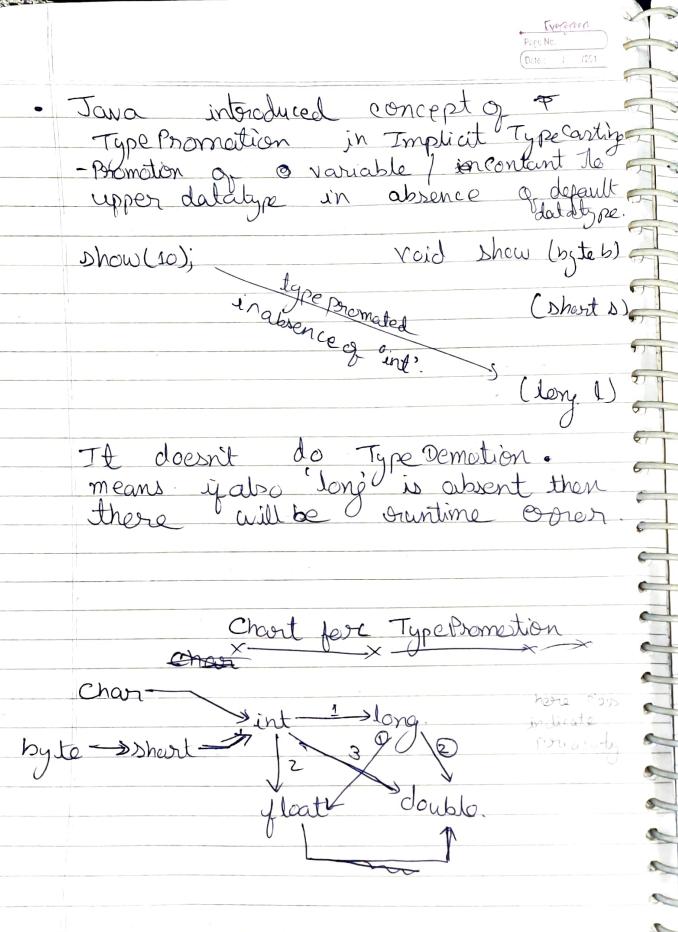
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16/06/2017 TYPE CASTING The process of converting the value of 1 datatype into another data type is known as type assting. When open is performed by 2 similar datatypes; the resultant is also in some datations. datatype.  $\begin{cases}
\text{int } M = 10; \\
\text{int } f = 3; \\
\text{Illast } 7 = (1) \text{ and }
\end{cases}$ float Z = yloat) M/f) Typecarted Only during op" Types of Typecarting. (i) Implicit >> Bi Smaller to bigger datatyre byte b=10;

int x=b; (ii) Explicit -> int ==10; byte b=16yte >x;



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