

- · There v the 8 primitive data types (PDT) They is built-in & r implemented in a simple manner (w/o danes).
 - · But, sometimes me need skj representation of there PDT
- · Type Wraphers (TW) i used to represent PDT as dej & une nersa.

Q) why do me need Tw? why do me need to refresent PDT as obj?

A) 1) To call fun by reference. PDT I famed by value to fun. So fun is called by walve when PDT r famed. · If we need to call fun ref, then obj needs

to be barred.

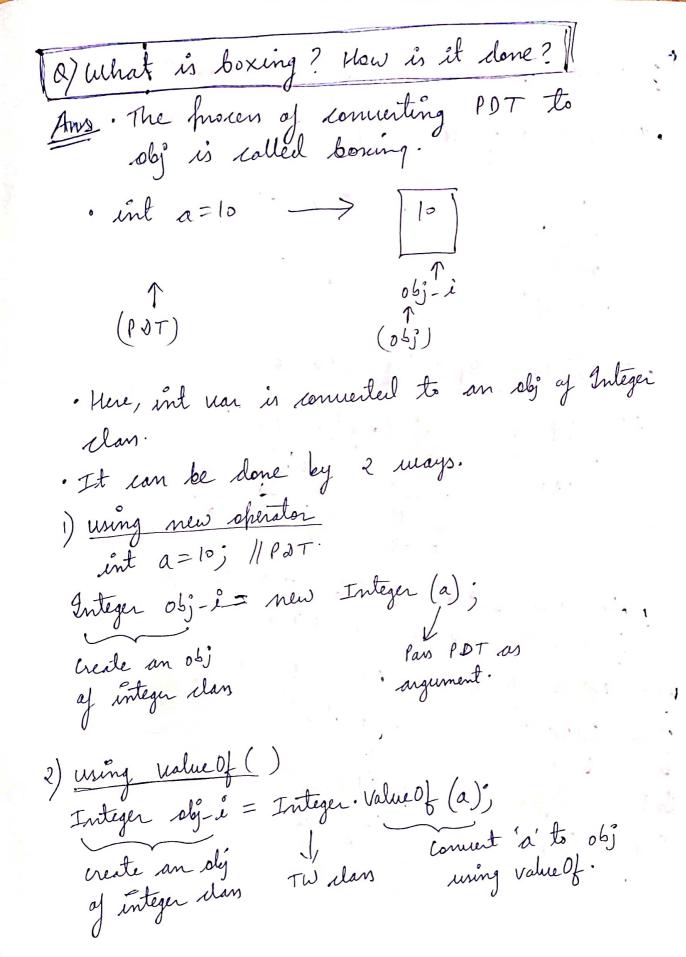
- · So PDT r converted to sky & famed to the fun. So fun will be called by ref.
- Callections pamework (Collections chanes & similar to STL) b/Vide implementation of data struct.
 - · These clanes work only on obj, so PDT need to be converted to obj.
- 3) Obj r also needed to support synchronization in multi threading.
- 4) jana. util parkage handles only obj.

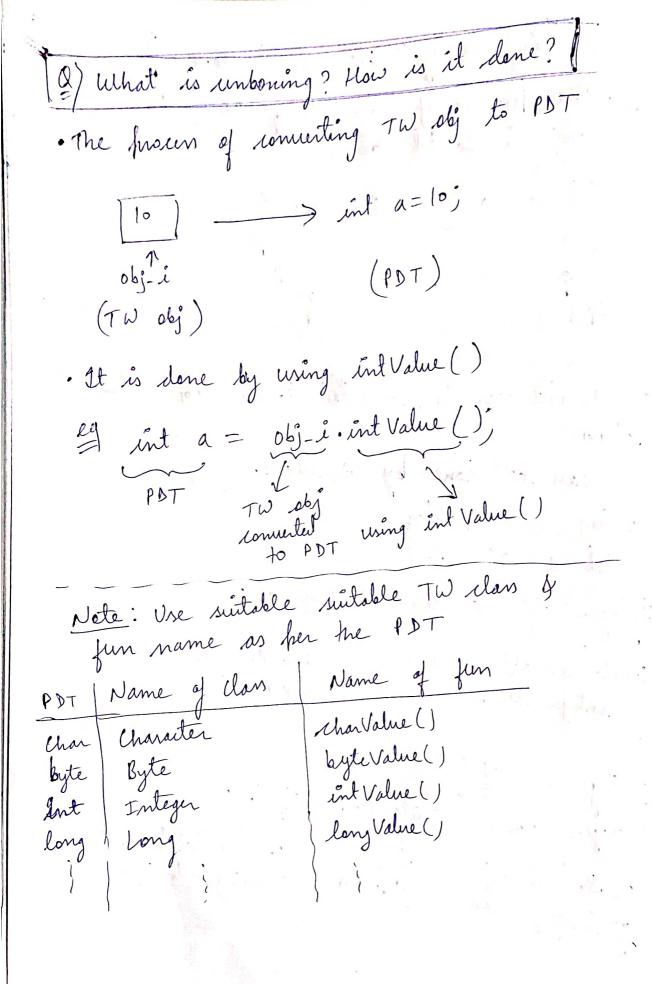
1 2) Name some type wrapper clanes.

Character Byte Float Boolean.
Short Souble
Integer
Long

· First letter is capital

- . Character & Integer (not Char & Int).
- *. TW r clanes that emopulate PDT within an obj.





I) what is auto boning of auto unboxing? · Boning & unboxing can be done w/o. eg:- To convert unt to obj, direilly assign value. int. a=10; Integer obj-i = new Integer (a); ? boning
Integer obj-i = Integer value Of (a); } (by ining
fun) Integer obj-i = a; // auto boning (no need to use any fun) PDT somerted to Obj int a = obj-i. int Value (); // unboning is done. int a = obj-i; //-Auto-unbosung (no fun is used) obj converted TW obj can be used similar to PDT i) Tw obj can be printed using Sophn. int a=lo; Integer obj-e = new Integer (a); Soften (a); // PDT John (05]-i)-, // Tw obj can be fruited Sohln (06j-60x): // be printed directly. //obj-box-get ()

2) TW obj & PDT can be operated w/ each other. Integer obj-it, obj-it; obj-il = 10; obj-12=20; obj-i? = obj-i? + obj-i!; // add ? obj obj-i? = obj-i? + obj-î1+5; unbox · When PDT \$ 05 r added then obj is unboxed to PDT, both radded, &
pren reboxed to 053 obj-12++) 3) Two different Tw obj can be sherated w/ each other. Double 06j-d = 98.6; Integer 05:-i = 100; obj-d= obj-d+ obj-i; both r unboxed oidded reboxed.

9 To convert a string to int use fasse Int () int i = Integer parse Int ("1234"); To connect an obj to string use to String (). (TW 05) eg string & = obj-i. to String ();