Generic Classes

- · A class that operates on different close types
- Type Parameter (T) is a placeholder for the type. When you create an instance, you specify the actual type
 - · Syntax: angle brackets < > Ofter class or method none

1) Example

Public class Box I > 5

Provate T content;

Public void put (T Hem) of

Content = item;

b

Public I get () of

return content;

7

Jusing the Geneve Cliars
int Box. put (42); SD I item
string Box. put ("Hello"); Integer

Int in+Value = intBox.get(); Strij stringValue = string Box.get(); I get; the int value so weapper -> primile

* Could have pairs & Class Pair < T, T2 > 9 ... F

Par<Integer, Stry > = new Parcs(42, "Hello"); parameter Creating An Instance

Box < Integer > intBox = new Box > 0,

Box < String > string = new Box > 0,

* wrapper class * o

- can & directly use primitive

types as type parameters -

WHAPPER CLASSES

- · wrapper classes are classes that encopsulate primitive types (8) within an object
- → Int → Integer → double → Double → char → character
- Same instana of a primitive tipe, pass a wrapper class are a method ancent of Say you have 2 methods method to work with the same integer value So they need to vefer to the same instance of that integer. So pass an Integer Curapper of the same Integer object, shony its Stale &
- · Primitne to wrapper:
- wrapper to Prinitive Integer obj - new Integer (10) int val = object int value()
- 1) Autoboxing automatic convenien co primite typer -> a rupper aus Integer wrapped lit = 10;
- 2) Unborry Vice vena interpretent = wapped (nt)

