

## Assignmen 4 Interes Questry

- W- Static kegword: in terms of memory
  monagement is very (nuclal. If the various
  is havy some value of for moutipe
  in stance than it is not efficient to
  Oliocate memory to the field perinstance
   In stances can share single held,
  love be can use static variable.

   static memory is class level terrable 2 it is
  callocated memory only once during the
  class loadry, this held will be sharef
  by all instances of class
- 8(2) Static metod can be overloaded but not our vidden.
  - overriding in Static method is called method binding, hidry.
  - Be ause Static methods. are binded with

    the class at compile time lover ridy,

    relies on dynamic biding. I runtime bidy.

    hence we cannot over ride Static method.

    If we, try to overticle Static method.

    child method will be hidden & parent
  - If we try to overside Static method the child method will be hidden & parent class method will be called based on.

    Object reference
- use final keyword with the variable method the value or be harrowr of freles cannot be changed, are can assign value to final variable which is instance only once in constructor dury initial (zation but static field needs to be initialized they cannot be assigned.



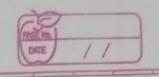
Onverty larger data type into Smaller data type into Smaller data type into Smaller data type into Smaller widenry - widenry is process of Converting, smaller data type into larger data type culso known as impurat

(3/8). Into = (double) 1000.1001; Ellamony int oc= (byte) 10 = Costliney.

Off) It the value of data Stored isof Greator dataty pe tren the centilities we one story gexisting the Max-value of the venithe datatype the MAX-VALUE will be stored insule the variable

Automatic vide my nears convity
of Smaller data type into
bigger dataty pe implicity where
douloper do not need to do anothy
only assignry rule of Smaller data
type to bigger

double D=10; = exaple



Sufe as they increase impacity of the data type making it compatible with larger type without 100 sty loss of march Namowing Conersm: these can lead to data loss ej:- converting double of larger value to int will result in tran fractional possible 1061 of data' Marning needs explicit Coustry to mak programmer own of potential Data 1301