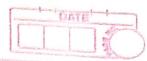


Assignment 4

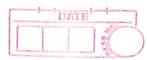
- OI) what is the cole of static treywood in the context of memory management!
- Static is the class level reywood in all the instances of a class.
 - vaoigble allocated during compile time & lasts
 for the entire program our
 - Static vasiable is shared among all object of a class level
 - Static variable are declared using the static regum
 - accessed using classname
 - we don't need to acress using object of class
 - only one copy of Static variable exist in memory.
- or) can Static method be overloaded and oversidden in jour? How static variable shared appross multiple instances of a class.
 - Static variable will overloaded but not a versidel
 - overloading i.e having multiple methods with the Same name in the Same class but different parameters.



Static danot oversiding in oversided in when we declare a static method in a subclass with the same name a poxameters as a Static method in the Sypordass. - Static are associated with the class itself not with any individual instance - one copy of the Static variable organizers of how many objects one areated From the class - all instances defeat to the same static variable changes made to the static voliable though one instance are visible to all other instances () What is the significance of the final keywood in Java. Firal value annut be changed once it has book assigned final int=10 Their is final method also which cannot be overtidden by any subclasses whom we prevent attention of a mothod's belowioux in subclasses ensuring that the method's implementation remain consistant



and the second s
Final in thelps in coenting more deliable and
and distrible code by costain agreet
C the analysis C State of 180 of 1900
The chundred of
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
what are narrowing & widening convosions
7
HOLI TING OF ALION BEINGO THE STREET
widoning endotar longitudal and and and
Counting 110/00 OF MIXOW TYPE TO WICE
ture this conversion is widening.
100 92 - 100 - 10000 - 50 - 50 - 50 - 50 - 50
int num 1=10
double rum 2= (double) num!
adorson Alorgso (hum2); whom common
DATE SOLITON TO THE SHEET SOLITON TO THE SHEET S
-In widening explicit type casting is optional.
at haid out to grantitates out at hours (see
Nassowing
converting wider type to narrow type
dauble num 1 = 10.500 19m
int rum 2 = (int) num);
Syso (nym2);
provide de example 15.000 months
2500 plus por phopolicition si
How does Java handle potential loss of
precision during normaling conversions?
By implicit & Explicit Nassowing.
Englisher Tairnes with themore, Very Care



Implicit Nassowing: - convexting Fooma larger to a Smaller data type without explicit casting in a compile time esson. Explicit Narrowing: - making 0) Explain the concept automatic widening convedsion in Java? - The data is automatically costed from byte to Short, Short to int, int to long, long to Float and Float to double - process where jour automatically convert the Smaller data type to a larger data type without bequising explicit coesting by the programmer. int i=5; double d = 10.5; double sesult = 1+d; =) Here i is automatically widered to Bitouble what are the impleitations of northwing and widening conversions on type compatibility and data loss? - widening ronversons are always safe and compatible. The larger data type can represent all possible values of the Smallet data type



en mellem kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (Sing sing kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (sing kilosika (s	The state of the s
	Java handles widening conversions automortical without dequiring explicit casts.
;)	No loss of data because larger type can
	No loss of data because larger type can accomodate the value of the smaller type.
	and situation your soll despit is
	TOURICE THE PROPERTY OF
	Quianità i combini
- 246	mot house aliminative is the or
int sal	of each of the fair of tords, toods or
Car. in	nemos illimitorantus mon sentro zerono -
hiodriu . Ym	and out of his action to a living a minima
	12 = 1 + - i = -
	(2.01 = h siniven
	ibet = thops ships
- vi	he or boastie juritemotion in sort
000	supposition to supplied and and today is
5	Pugns Auton Dahan Dahan
	ph arise south in the service and a state of each
100+ I	Do solved such as a solven solven