## Assignment-06

::: <del></del>	7831971110111
BT.	what is method overloading in Javas explain with an example.
<u> </u>	explain with an example.
<b>K</b>	method overloading
	when a program contains more
<del>-</del>	mun one method with the come
<u>.</u>	name but different parameters.
, 	
	ex'.
	public void sum (inta, intb) {}
,	public void sum (in)
	public void sum (inta, intb, into) []
0,2	what are her and
	what are the rules of method
	overloading resolution in java ? HOW
	java determine which
	overloaded method to call?
	rules:
	- The parameter of two method
	overloading should be different
	data type
1/2	- If method having same parameter
	then the data type should be
	different.
	- method should not have sepered
4	parameter.

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	java determines which
21	overladded method to call
	based on the number , type
	and order of the arguments
	passed to the method. this
John.	is known as meaned resolution.
	MANDER FLOW FOR STANKE TO THE STANKE THE STA
	what does static keyword mean in
blire	java? Explain the difference between
(49)	static and non static methods
	Lecture state method in subclass
	In java, static keyword is used to
	declare class variable or method
	as belonging to the class itself.
. T. I.	rather than any one instance of
	the class static member are shared
-fit-	by noul-instances of the class &
	can be accessed without creating
Singl/	an instance of the class.
1. Sh. 11	
pho	non-static
(10.4.2)	
	Access -> can be accessed a accessed by
	without creating methods that
Trito y	instance of class are called method
	memory - allocated - Alloted each
	once, when time an
	class jo loaded instance of
-	Class created

ay. can static methods can be overloaded and oversidden in java ? How ore Static variables shared accross multiple instance of a class? - river bankers not ut baranor Yes, static method can be overloaded multiple time with same name but different parameter. But static method can not overridden in java: this means if your written declare static method in subclass with the same iname and signature as static method in the superches, the subclass method will hide the Superclass method, not overridden it. free charge sharp interest present and only single: copy of the static variable is created and shared amoung-all the instances of the Class. Because it is a class-level variable, memory allocation of such variables only happens once when the class is loaded in me memory There were grillery the arthur and Qs. what is the pole of static keyword in the context of memory management? Or small Madelly - 3240 -> A static method belongs to the class and not the instance.

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	can be called without creating
and the same of th	on instance of the class there
	are several benefits of using
النواايا	'Static' keyword. It helps in
angula manananananan mananan m	memory management as static
0.2	variables are shared among au
	instances, seducing the amount
	of memory required.
754	Transfer 2 of Eurifican Anist School Commen
Q6.	what is the role of the static
	keyword in the context of
	memory management.
QQ.	what is the significance of the
	final keyword in jova?
<i>→</i> .	to have belonger to beingthern
	In java, the final keyword is
	used to indicate that a variable,
7-1V 51-9 X	method or class cannot be modified
	or extended
<u>4</u>	Final variable:
	when a voriable is declared
	as final, it's value can not be
	as final, it's value can not be
	when a voriable is declared

tinal method:

when a method is declared as

final, it can not be overriden by

subclasses

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And the second s	
	final classes
	when a class is declared
	sinal it can not be extended
	by subclass. This is weful for class.
	that are intended to be used
, July	as it & should not be modified
1/1/2	Los extended
	Asing property.
<u> </u>	can a final method be overriden
- ith	in a subclasse How does the
	final keyword affect variables
, mi-	methods and classes in javas
	No, final method is not oversidelen.
	The final keyword can not
	modificel or extended, and the
	so ralue bican not change
	users to indicate that a warrain
Q8.	what does this keyword represent
	in Java & How is the this
	keyword used in constructors
	and methods ?
~ <del>^</del>	1- tat mos subce the love to
~	The this keywood, refers to
	the current object in a
4	method or conctructor
	EZYNU DO THE PORTOLINE O INSTITUTION
	a oxeco sto set too on ti, kerit

	The most common we of
	the this keyword is to eliminate
17.	the Confusion between class
	attributes and parameters with
	the same name (because a class
	attribute is shadowed by a method
	ar constructor parameter)
-	
D9.	what are narrowing and widering
	Conversions in java?
	The state of the s
	Massowing contersion.
(	most a manual or explicit
,	conversion that convert a larger
ų.	data type to a smaller data type
bo la	rich readout the responsibility
ξ.	widening conversion:
1	Horas of is an automatic or
gerit.	implicit conversion that convert
h- I	a larger data type smaller
	data type to larger data type
	a cherrie tout that our injust
	byte: to int conversion
$T \cap T$	IN THE DAKESTED O THE DESTREE PART
	A AT THE BY THEN A NOTE OF THE PARTY OF THE
	.awrignes sevisare

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. 1 %	provide examples of narrowing
010.	and widening conversions between
21011111	primitive datype million
	primitive solutions.
	ex. Narrowing Conversion.
, 2 - A 451	-converting higher to lover data type
	double - float - long - int - char-
	l la C Chada
in an Asta	incombre philosophy byte = short &
	HE WELL WITCH TOWN RESERVATION
	ex: widening Conversion
	STREET NOW SON TO THE STREET S
+ 1364	byte - short - charts int - long 7
*0	poplar invitor
্টাৰ চ	stel religions double & front
·	Converting lower to higher datatype.
	widering conversion:
Ø11.	How does java handle potential
	loss of precision during narrowing
	Conversions = 1+1 who makes
->	sich salaby report of oxyptom states a second
	despite the fact that overflow,
	understow or other loss of info
	may occour, a narrowing primitive
	conversion never results in a
	ountime exception.
- Indiana	6-11-11-11-Chapitori

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97	It gives an suggestion, where
	ne are narrowing from higher
estili	type to lower type this can
	caux data 1051
an	Explain the concep of automatic
	containing conversion in java?
7	
	It occours when signing a
	value of smaller data type
	of large datatype ensure
	that data is promoted to
-(1)	large size to prevent loss
	Lot data home
नामना	unextrant of fortalist Teller
r	- Conversion of int to long attest.
	Conversion of float to double
21	involves automatic widening
	acconversion of the si
. Vibirfies	Twentide wiffs control on the Cyenthewick:
-	

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	Date:
913.	what are the implication of
No. 76. 1 am	TO A COSTILLIVAL AND LALLA PAIN OF
	Conversions on type compatibility
-5	and data toss 8 the say
	The trade of the following state of the first terms
	widening conversion ensures type
<del></del>	compatability these conversion
لماصم بالله	are safe as there is no
·	data loss occours
<del></del>	Just while is there a to substitute
	when narrowing conversion is
	o ceoused it may read to
	data los le seguire explisit
	Casting to handle potential
The west	essos related to type compatibili
a for Har to	Le precision ( data in
J. C.	Converting double to flood
	Can result it noss of data
<u> المالية والمالية المالية الم</u> المالية المالية	K may throw exception like InvalidCastException or OverFlowException
	Invalid Cast Exception or Over Flow Exception
بستالت	
ارتنجان	