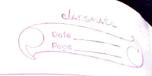
	Dute Page
*	Functions Methods in NAVA
	Functions Method (in Java):
•	A method is a block of code which only run when it is called.
	To reuse code: define the code once & use many times
	A File Stages in the last in
	Syntax: this method my method does not have a return
	public class Main & name of method () { static void my Method () {
	1/ code 200 100 100 100 100 100 100 100 100 100
	7,75 5 5 5 5
	1/2 mm 3/1/2 mm
$\overline{}$	
	-> public class main?
	access-modifier return-type method
	7 (1) 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/ 2/
	return statement ; I) fr
	J Ver
1	method () calling the function
	name of function
	return - type:
	A return statement causes the program con
	to transfer back to the calley of a method
	A return type may be premitive type like
	char, or void type (votorn nothing)

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=) There are a few important things to understand about returning the values? The type of data returned by a method must be compatible with the return type specified by the method eq: if return type of some method is boolean, we cannot veturn an integer The variable recieving the value returned by a method must also be compatible with the veturn type specified for the method. =) lass by value: Lobject value greet (name) Execting copy of static void greet (nam) valve of print (nam ice passing value of the veference 6d 5 . change (name) print (name); creating Kgos not changing oxiginal object, just creating new since it is execting not change organone



\*

*	Points to be noted
\	primitive data type like int, short , char , byten
	L'ivst pass valve
2	
	Object & reference.  Dassing value of reference variable
	passing valve or referen
	1/2 (1/2)
	eq-1: psum []?
,	a = 10
- > 1	6=20; heve
	2 wap (946) in mail 12242 3914
	2mab (want + wans) }
	1000 = page 1
	many = mum 2 pm Nowell
	sum > = temp , num L " (Ell)
, 2	I hegy
	3 Swaffe
	the valve
	Here they just passes the value
	South Character Control of the Contr
	eg-2:
	arr ->[1,2,3,4,5]
	noms to the
	nums[0] = 99 [now the value of oth
	mond like some ni noitien in nome will change
	which also changes value
22	of arrEoJJ
	01 01 2003 ]
	ary -> L99,2,3,4,5
	Here, passing value of
	nums reference variable

\* Scopes: 1 char 1 byto et · Function scope : variables declared inside a method Function scope (means inside method) can't be accessed outside ce variable the method. eg :- psum () } X 10 but not can't be accessed 201 here a biztuo x x fmi block scopeding to psvm () } 0-210 at En -120 scope int a = 10; mol - variables initialized outside ->10 level the block can be updated insid they ar the box. int a = 5; X variables initialised inside swapped sand lovel a= 100; V | the block cannot be updated int c = 2001, outside the box but can be reinitialized outside c=10 i X the block. int c = 15; L a = 50; V variables like a here, is declared ill change outside the block rup dated inside the value block and can also be updated outside the block, loop scope variables declared inside loop are having loop alve of 5000 0 jable

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=	Shadowing:
	shadowing in Taxa is the practice of using
1	variables in averlapping scopes with the
	name where the variable in low teresco
	overrides the variables of high-level scope
	Here the variable at high -level scope is
	shadowed by low-level scape variable,
	eg:- public class shadowing?
	Static int $x = 90$ ;  psym () $\begin{cases} 1 & \text{opperator} \\ 1 & \text{opperator} \end{cases}$
	system.out.println(sc);
<u> </u>	
· · · · · · · · · · · · · · · · · · ·	x=30, out(println(sc);
	The state of the s
	50
	1 + 100
	here high-level scope is
	shadowed by low-level scope
<b>z</b> )	Variable Arguments:
	variable Arguments is used to take a variable
	number of arguments. A method that takes
, , , , ,	a variable number of argoments is a
	arrays method
3 1	Syntax 12
	static void funcint a) {
	method body
	House and bloom of the
	Here, would be array of type of type inti



	parameters
=)	
) ٧	Function Overloading happens when two functions
	have same name
	eg-1) Func() {
المدادة	1 code
	X Fonction
	Fonc ()?
	1/code
	ed-5)
1 94	eg-2) for (inta)? This is allowed
	Moving different
(B)	avanments with same
	Fun (int quint b) { arguments with same method name
	1 code
	- it some the second of the
, i	=) At compile time, it decides which for to
-	and the second s
=)	Armstrong number:
	Suppose there is number -1 153
	153 -> (113 + (3)3 + (3)3 = 1+125+2)
111	1011 porto) = 153
	a frank Warring in the same and a second
100	
7	COLUMN TO THE RESIDENCE OF THE PARTY OF THE
	10 / 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1