	Vanable Scope & lifetim	e ×		* (y is used to mark	
		Scope	lifetime	the rend of the body	
	formal parameter &	within their	execution time of	of a method	
	local variables	method	the method		
	class level vanables	their class,	from Object instantiation	* input a output	
	eg: instance 11	including all including in the	to obj destmetion	=) parameter & return value	
	1000	class			
	method parameter = formal parameter				
	method argument = actual parameter.				
	•				
Week 5:	Memory, stack, heap				
	- primitive type data & Address data -> store in Stack				
	- reference type data				
	-) address store in Stack				
	-) object data store in heap				
	Arrays E reference varia	bie]			
	elemType [] arrayName	7	eg: int[] array;		
	arrayName = new elemType [length]; array = new int[6];				
	ok				
	elemType [] arrayName	= new elemType	[length]; eg: int	numol[] = {1,2,3,4,5};	
	(1) int array (3 Variable nam	w int(5]);		July 10 miles	
	1) intarray (3 vanable nam	e intanay's	site. Such a special of		
	- array can't be resid	ed once sized			
	-) all varagle in arra	y must be of	same data type.		
			the value in the variable	e.	

NO:

Placeholder	"In" new line character
Yed Decimal integer	
% f floating point	
% S Stong	
%15s right justified Stong	
% -19s left justified String.	
% .28 2dp floating point	

1 ,	print from last element of an away
	'int[] away= {1,2,3,4,5};
	for (int i = array.length-1); i>=0; ()f
	System. out. println (array[i]);
	j
	To demonstrate side effect
	public wid carring() {
	int[] arr = new int[s]; type
	Before System. our. printin (Arrays. to Strong (arr)); //reference, vo nable
	effect of system. art. pmntln(arto]); //value type variable
	called(ar, arrEo]);
	After (System. out. prontin (Amays. to Stry (arr)); => value type variable had deta "oure ay
	effect? If (arco]); Stack, when passed to 9 we thind, and he copy is made a therefore they're promo
	to diff obj, charges in one x affect the other
	=) reference variable hold the address in
	public wird cared (inti] away, num) { Flack, when pagged to a passed, the
W. Tie Pil	array[1] ++; address is copied & both variable are from pointing to same objectnesses in one
47, 47	num++; in array impact the stu
	=> arr[1] unil charge value,
	an [o] mil not