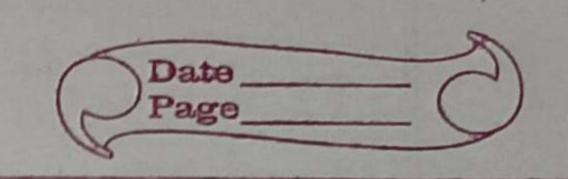
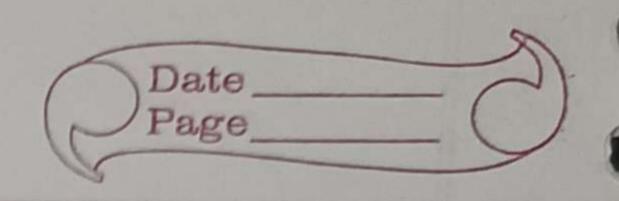


LNTRODUCTION	1 To Probrammini	
Types of lang	uages!-	
	Types of Languages	
*	1	J.
Procedural	Functional	Object Oriented.
and and a	hoad all - englad	and the bold in the land of the
Procedural lang	uage!	
Specifies a	series of well structe	med steps and procedures
to compose a		
		ements, function and
comands to	complete a task.	
		General manual
Functional lang	juage !-	
writing a brog	ram only in bure of	enctions i.e. nevez modify
variables but	only create new ones	as an output.
		to perform lots of differ
	he same set of data	
First class fur		
Be assigned	to variables	9000104
Be passed o	us arguments to other	- function
	hinned from other	V
Object Oriente	d !-	
Revolves anos	und objects l'instances	of classes)
Cada 1 Data	- abiast	
Developed ito	make it easier ito	develop, debugnoneuse
and maintain	sofhvane	- Liebug Dieuse



function parameters and	- Used for dynamically allocated Memory
Memory allocation: - Auto- matically managed, LIFO. (Last In First Out)	- Memory allocation: Manua
Size is smaller 4 limited	- Larger but more fragmented
Faster access	- Slower access
Variables are destroyed once the function calls end	- Remains until explicity ole allocated.
Notes!-	
to the same object	reference variables can point
	ference variables change the going to be changed and
If there is no variable towards an object, it is memory when garbage	vill be onemoved from the



	Static Vs Dynamic languages	
	January Congress	
	Static languages	Dynamic
_		Performe type checking at
	compile time	run time
_	Errors will show at compile	- Error might not show till
	time	brogram is run
_	Dectare datatypes before	- No need to declare. the
	you use uit	datatypes of variable
	Have more control en	- Saves time in writing code
	code	but might give evror
	many sinamatria de del	at nuntime
	Memory Management:	
		- tonnihan tonnihan -
	Types of Memory:	The Court of B. College St.
-	Stack Memory	dones plas ind soldning
-	Heap Memory	Arthur daile de la
	nthh 1111	anne adt decemblisseds
	a = 10 — object	reference variable stored
	L'reference	in stack memory
	Variable	· object is stored in
	and the same of the same	heap memory
		· reference points towards the
		object

