T- True | NIL - NIL / () Cring - Constant

List as well as Atom go string is in lowercase, we get suffer in

· LISP is a symbol processing language.
· LISP lack data types

Trender (" day * Atithmetic Operation Arithmetic Addition take any number , augurnonts. Of Orend Atorny Intega type (+ 28 -9 1.7 1t) (+ (+ a 4.5) 34) - 142.5 (- 34 56) 2.5 e Haker a list does n > += = o/p -10 (qult) (exit) -) to do $> \pi = 0/P \rightarrow 1$ > (+ (+) 9 2) --- 11 $> (+(*) 9.2) \rightarrow 12$ > (+ 9 2) --- 11 $(-954) \rightarrow 0$ > (/ 23.0 4) -> 5.75 > (- 4.0 13) - -9.0 > (/ 23 4 5 7 9 13) -> 29/16380 = 0.0014011 > (# 2 2.3 3) -> 13.79999 List Manifoulation function.

Set 9 (hyp, 10) - Assigns 10 to variable (492)

" baheadan

Sula Ust Manifulation function	
Fact for m Content Address Abglisher Returns the first element of th	
> (con '(abc (a b) c e))	of elderals in
> (car '(ab 6 c))	10 mm 200 mm and an annual
* Cdr -> Content Decrement Register) (cdr ((ab) (d) 2 4)) (b/p)(010)) 2 4)
Returns a list after removing the topm	and the same of th
* Cons - Construct Hemory Object - H takes 2 arguments.	
) (ons '20 '((ab) 28))	
Element List	Consumption to a substitute of the substi
0/P - (2A (A B) 2 B)	
* 1904 John number of grayments	190.
* list -Any number of arguments	
(list 'a '(ac) '(12) 4)	The contract and appropriate for the contract appropriate and
(a c)	

0/P - (A (A C) (12) 4)

. . .

ź,

	* append - Fach argument should be a list
	* pappend - tach argument should be a list forms all arguments in a single list
) appard ((1.2) (3) (A B))
0	/p → (1 2 3 A B)
*	Lost - Argument Should be a list- - Only one Orgument
	- Returns last element of the list in a list.
	$2 (ast ^{(1/2)} (2/3) + 6^{(A)})$ $0/p \rightarrow ((A))$
*	
	member -> Takes five argument -> Scans the first element on in second argument list.
	Returns a list of elements from the point a match.
) (member 'b '(a b c))
×	
	Takes one argument. Returns a reversed list.

. .

> (revene (a 6 (12) 6 (D))
0/P ((0) 6 (12) B A)

> (cons'(* 93) '(1)) -> ((*23) 1) > (cors (* 2 3) '(1)) -> (6 • 1) > (Setq x '(a b c)) - (A B C) > feet 2 1 2 -1 X > x. - ABC > (cor. (cdr 'abcd)) -> B > (cdr (car '((ab) (cd)) -> (B) > (ons 'One '(two three)) - ONE TWO THREE 7 (uns (car)(a b c)) (ddr '(ab.c)) (A 68 c)) > (list '(0 b) 'c 'd) -> ((AB) CD) > (append '(a (bc)) '(de)) - (A (B c) DE) > append '(a) '(b c) '(d)) - (A BC D) > (append last '(a b (cd) (e))) -> ((E)) > (revouse '(ab(cd)e)) -> (E(cD)BA)

P - PXPX1

(max 10 20 36)	> (min 10 20 30)
30	The second of the companion of the compa
Cau -> first ()	cdr rest () Prodicate.
	1>(<24) (>24)
(< 2 4 3)	T ML 48
The control of the co	The state of the s
() 2<4(T)つよ 年と3(NIL)	

-> It version is given CLISP 2.49 of greater 4 less is used then fint Error.

angle)

9)2 Write a use defined function to calculate simple for interest of a value

of a value a)31 Noite a use defined function to calculate area of a circle,

-) (defun triArea (a height length) (/(* length height) 2)

2) (defun sInter (prinp st t) (/(* prinp st t) 100)

3) (défun crétarea (radius) ((* 8 8 PI))

Wednesday
Ly cond, if (defun max2 (a b)) (cond ((> a b) a) Otherwise b (A (7 b)) NAX 2
() (MAX 2 10 5)
(if (> a b) a b))
For greater of three numbers.
(if (>a b) (if (>a c) ac)
100,000
LOGICAL FUNCTIONS [NOT, OR & AND] [NOT/nOT] [NOT/nOT]
the partie)
* (NOT (barameter listo (a b c))) NOT
> (not (listp '(a b c))) Time
* (OR (cony number of argument))
value will be neturned left to night. First NOTA NIL
> (OR (list P) (+3:5) (*236) (actom +2)) 48 = output

* (AND (Any number of parame	eters)) - scanning left to right - Last non NIL value		
1000 P120 10 bc) (+3	5) refumed.		
(AND (listp 'labe)) (+3 (Atom4) (*56))	- Lift		
⇒ 30	and the state of t		
- Company of the Comp			
) (AND (listp 'a) (+35) (at	om 4) (*5 6))		
= NIL	4		
The Ika Potert			
* Taking User In but			
- Jacob			
> (+ (read) (read))	> (+ 5 (read))		
\$4	4		
5	9 - Output		
-> 9 output)			
* Inluting output			
Upont	Liprinc		
print "Hello"	(princ "Hello")		
	(Hello)] 0/P		
"Hello"] 0/r	"Hello"		
	swithout double quotation		
* pointing new line			
Ly (ferpin)			
Idelin Poil Jacks - Princ	Lieben Point Transport Prince ()		
(princ "vaibhar") (princ "	(princ "Vaibhar") (princ "Kant") (prink "Kant") (princ "singht (terpri) (princ "Ashar") (princ "khan") (print "xxz")		
(terpri) (princ "Aghar") (princ "khan") (print "XXZ")			
- Volbhar Kant Snah			