	Assignment -6
	O Ham Solving
~~~~	Subject: Pragramming and Problem Solving
January	I Mester.
Carata Ca	Duision: 2
	Name: Françay Derois
	Dull 100 : 1010 5 3
	to compute
and the same of th	Aim: write a of the given number  Factorial of the given number
	tac for lax
	Using necursion
	Objective:
*	Objective:  1) To learn and understand functions in L.
	1) To learn and understand Recursive function
^~'q.	
	Theory:
j	The state of the s
	User defined functions -)
,	
20	return-type function_name (parameter list)
,	Ÿ
	body of the function
	J. Company of the com
25	neturn-type is the type of value
	that the function will neturn
	Function-name is the actual hame
	of the Finetion
- 30	
h.	
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	Oate
	Example
	int max (int num 2, int num 2)
	int nesult;
	if (num 1 > num 2)
	nesult=num 2;
	else
	nesult = num 2;
10	neturn nesult;
_	
_	Use of neturn statement
_	
15	Return ends the function and neturns the
	value the calling of function
	Altoria yourameter
	Formal and Actual argument
20	
ر-	Formal argument are functions that are
	declared in Runction prototype
	Actual argument that are putter values
25	from the main function.
	TYOM

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	Algorithm:
	O .
	Step 2: Start
5	Step 2: Input number
	Step3: Tf no>1
	return no* (no-1)
	Else neturn 1
	Steps: Display netrned vulve
10	Steps: End
	junetera dea
	Flowchart
	(Start)
15	
	Input number
	Is no > 1
	The base of the same of the sa
	*( A)
+	neturn not (no-1) Display 1
-	Displace
-	Display neturned value
1	Value

25

End

Input = 5
Output = 120.

Conclusion: Thus implemented the program to compute factorial using necursion

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-> (alling the function withing the body of
the function again is necursion

-> What is a local variable?

-> Local variables are accessble in parts of
program like variable declared in a
function are local variables.