Chapter 6- Recursive Functions	
> Expressions are evaluated by a stepwise process.	
Ex: fac 4	
= Product [1.4]	
= product [1,2,3,4]	
=1*2*3*4	
=24	
> Functions which are defined in	
reconsive functions Base case	
Ex: $fac 0 = 1$ $\Rightarrow Base Case$ $fac n = n * fac (n-1) \Rightarrow Recursive case$	
tac " -	
-> Recursion on lists can also be used to define	
Charting 100 mold and the contract of the cont	
Ex: product :: Num a => Las => c	
product [1] = 1 product (n:ns) = n * product ns	
product $(n:n)$. $=$	
product [2,3,4]	
= 2 * product [3,4]	
= 2 * (3 * (product [4]))	
$=2^{2}$	
= 2* (3* (4* 1))	
24	
-> Functions with more than one argument can also be	
T and and with More in the	
Metical residence with were transfer of	
Jefined using recursion	
Jefined using recursion	