Chapter 2-First Step > GHC (Glosgow Hoskell Complier) is the leading developer.	
for using Hoskell SCHCi is an interpreter just like the Python, can ask to evaluate simple math expressions it to evaluate simple math expressions	
it to evaluate simple math expressions.	<u>.</u>
it to evaluate simply a be of standard library functions on lists. also includes useful functions on lists.	
1. head [1,2,3,4,5] > Returns first element	
returns 1	
2. tail [1,2,3,4,6] -> Removes first element	
returns. [2,3,4,5]	
3. 0 12 1 1 2 II 2 Return the specified position element	
returns 3	
4. take 3 [1,2,3,4,5]. Ly the of elements (integer) to return from the start	
. returns. [1, 2, 3]	
5. drop 3 [1,2,3,4,5] to remove from the start	
returns 54.57	
6. length [1,2,3,4,5] -> # of elements in list	
7. Sum [1, 2,3,4,5] > Addition of all the elements in list	
returns 15	

2 modern T1 23457 > Multiplication of all the elements in
8. product [1, 2,3,4,5] > Multiplication of all the exements in returns 120
9: [1,2,3] ++ [.4,5]> Appends two lists
10 reverse [1,2,3,4,5] -> Reverses. The 113=
returns LB, 4, 3, &, ES
> Function application is denoted using space
Ex: f a b f c*d > In math: f(a,b) + c.d > Function application has higher priority than all
> trunction application has have f(a) + b
operators Ex: f a + b -> Haskell uses f(a) +b
Moth Haskell > Less amount of brackets
f(x,y) = f(x,y)
+ (g(x))
f(x) = f(x) +
f(x) g(y) f x * g y
->. hs is the file extension, Haskell script has
⇒ GHC: does not automatically detect that script has been changed so have to perform reload command.
been changed so have to pertorn.
: reload = Can use
: reload : load name -> Loads the script one letter abbrevation : type expr -> Any Haskell expression
:type . expr> My . 1240xxxx

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