	S344- Back to Hastell	
	5549 - Back 10 TRSLEN	
Note Tit	tle3	/9/2012
	Announcements - HW & is up due Friday after break - Today is in-class work day	
	- HW b, is up	
	due Friday after break	
	- Today is in-class work day	
	'	

Purely functional - NO variables.
-strongly typed (uses inforence)

Functions (take 2) Example Joles: It is considered good practice to type your finetions.

functionname:: type -> type ype could be list, too -& check:

!t "Hello"

!t ('a','b','c')

!t (True, 'a') remove Non Upper Case :: [char] remove Non Upper Case st = R.C. Cishorman in Nice Feature:

If you don't know the type you can wrik your Ainchon and then cheek it's

nat is head again?)
> neturns first element ws for polymorphism in way - takes tuple a returns

ecuse - into groups (preferably of at least 1 computer per group). Write the fibonacci functions in Haskell.
(+ Please type it). Note: Submit to me marnes of group for credit! Fib: Enteger -> Integer

Fib 0 = 0

Fib 1 = 1

Fib (n-1) + Fib (n-2)

pe Classes of an O-O class! An interface that defines some behavior. (More like Java interfaces.)

*t (==)

What is 3/ a class constraint

Type classes Num: numeric types the Eg class. Eq: for types that support equality testing Ord: types that have an ordering Show: types that can be presented as strings Read: > (opposite)

Strong pattern Matching
Can use pattern metching in
unexpected ways.

add vectors example

Another:

> let my list = [(1,3), (4,3), (5,6)] > [a+b] (a,b) = my list] Our own head function

head: " [a] -> a head, [] = error 'Can't call head on empty list' head (x:-) = x

See first two. hs