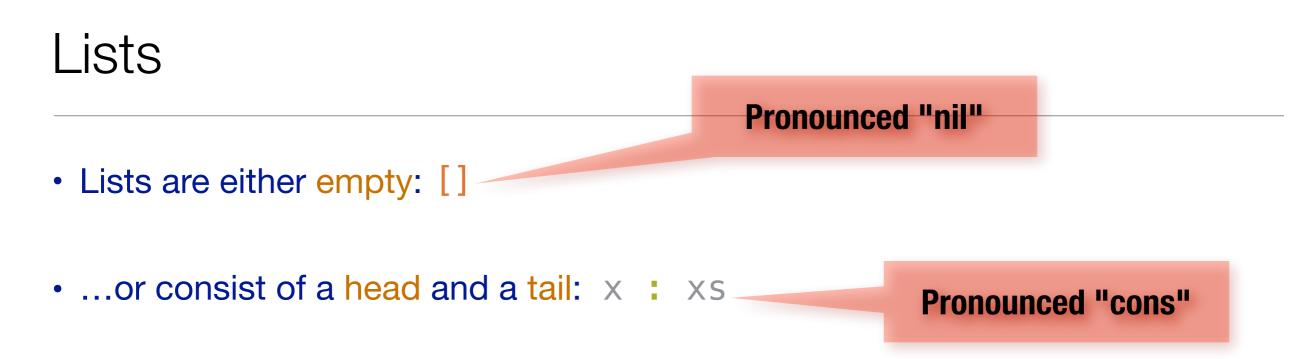
Pre-defined types

- We already saw function types: a -> b
- We also saw elementary types: Int, Float, Double, Char, and so on
- Tuples group multiple types: (), (a, b), (a, b, c), and so on

harmonicMeanT ::(Double, Double) \rightarrow DoubleharmonicMeanT(x, y)= (2 * x * y)/(x + y)

harmonicMeanT :: (Double, Double) -> Double
harmonicMeanT pxy
= (2 * (fst pxy) * (snd pxy))/(fst pxy) + (snd pxy))
fst :: (a, b) -> a - functions defined in Prelude
snd :: (a, b) -> b



- Lists are homogenous all elements in one list have the same type
- List are parametric different lists may contain elements of different type



Some operations on lists

- Length of a list
- Concatenating two lists
- Reversing the elements of a list
- Mapping a function over a list



