

```

module Assist_Lib
( store
, pack
, tail'
, head'
, init'
, last'
, isSquare
, isVowel
, isConsonant
, points
, someNumbers
, someLetters
, trimListOfKey
) where

import           System.Random

tail' :: [a] -> [a]
tail' [] = []
tail' (_:theList) = theList

head' :: [a] -> a
head' (theHead:_) = theHead

init' :: [a] -> [a]
init' [] = []
init' [x] = [x]
init' (x:y:xs) = x : init' (y:xs)

last' :: [a] -> a
last' [x] = x
last' (_:x:xs) = last' (x:xs)

deleteMap = randoms (mkStdGen 1) :: [Bool]
someLetters = randomRs ('a', 'z') (mkStdGen 1) :: [Char]
someNumbers = randomRs (-100, 100) (mkStdGen 1) :: [Int]

store :: [a] -> [(a, Bool)]
store [] = []
store theData = zip theData deleteMap

pack :: [(a, Bool)] -> [(a, Bool)]
pack dataBlocks = [ validData
    | validData <- dataBlocks,
      not $ snd validData]

points = [(4, 3), (1, 6), (2, 4)]

isSquare :: (Integral a) => a -> Bool

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assist\_lib.hs

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isSquare num = num == (^2) (floor $ sqrt $ fromIntegral num)
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isVowel :: Char -> Bool
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isVowel c = elem c ['a', 'e', 'i', 'o', 'u']
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isConsonant :: Char -> Bool
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isConsonant c = not $ isVowel c
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trimListOfKey :: (Eq a) => a -> [(a, b)] -> [(a, b)]
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trimListOfKey key = filter (\x -> fst x /= key)
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