作业1: 用尾递归来实现列表求和

一:实验代码:

```
0
                         >> Demo3.hs ★ >> Demo4.hs
               module Main where
2
               addList :: (Num a) => [a] -> a
addList list = if null list
Ÿ
                                   else head list + addList (tail list)
8
               main:: IO()
main = do
    let list = [1, 2, 3]
    let sum = addList list
¢
                    print sum
        basiccoder@Ubuntu1604:~/Work/Haskell$ runghc Demo3.hs
        basiccoder@Ubuntu1604:~/Work/Haskell$
```

二:实验结果:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

basiccoder@Ubuntu1604:~/Work/Haskell$ runghc Demo3.hs
6
basiccoder@Ubuntu1604:~/Work/Haskell$
```

三: 实现(x+y) by 1+ 函数(add1)

```
> Hello.hs
                    > Demo3.hs
                                   >> Demo6.hs ★
                                                  > Demo4.hs
                                                                 > Dem
module Main where
            add :: (Integral a) => a -> a -> a
            add \times y = add' \times y 0
            add' ::(Integral a) => a -> a -> a
            add' x y n = if n == y
(8)
                         then x
                         else add' (x+1) y (n+1)
中
           main::IO()
            main = do
                 print (add 2 400)
                 OUTPUT
                                         TERMINAL
      basiccoder@Ubuntu1604:~/Work/Haskell$ runghc Demo6.hs
      basiccoder@Ubuntu1604:~/Work/Haskell$
```

附件:

[1] Demo3.hs