FIT2102 PASS – Week 6

Observables discussion

Tutorial 4 – keyboardControl()

Tutorial tips — Haskell

All functions are curried

All functions are curried

```
binaryFunction :: (a -> b -> c) -> a -> b -> c
binaryFunction f a b = f a b
```

All functions are curried

```
add :: Integer -> Integer
add = binaryFunction (+)
```

Syntax – Pattern Matching

```
plusIntPair :: IntPair -> Int
plusIntPair (IntPair a b) = a + b
```

Syntax – Pattern Matching

```
head :: [a] -> a
head [] = error "Empty list"
head (x:xs) = x
```

Syntax — if-then-else

```
max :: (Integral a) => a -> a -> a
max a b = if a > b then a else b
```

Syntax – Enumeration

```
Prelude> [1..10]
[1,2,3,4,5,6,7,8,9,10]
Prelude>
```

Haskell – Live coding

https://github.com/system-f/fp-course

Optional, List