

Functor  
(函子)

应用一个函数到包裹的值

```
class Functor f where  
  fmap :: (a -> b) -> f a -> f b
```

Applicative  
(增强函子)

应用一个包裹的函数到包裹的值

```
class Functor f => Applicative f where  
  pure :: a -> f a  
  (<*>) :: f (a -> b) -> f a -> f b
```

Monad  
(单子)

应用一个接收值返回包裹的值的函数到包裹的值

```
class Applicative m => Monad m where  
  return :: a -> m a  
  (>>=) :: m a -> (a -> m b) -> m b
```

如何理解Monad就是自函子范畴上的含幺半群？

