

## Exercise 9

```
-- write reverse using foldl
reverse' x = foldl (++) [] [reverse x , []]

-- write reverse using foldr
reverse'' y = foldr (++) [] [reverse y , []]

--I think foldl is more efficiency than foldr cuz foldr do like recursive and
recursive cost more time than the usual
-- one and fold do just like usual one (loop).

-- write map using foldr
map' p [] = []
map' p xs = foldr (\y ys -> (p y):ys) [] xs

-- write filter using fold
filter' p [] = []
filter' p xs = foldr (\x xs -> if p x then x:xs else xs ) [] xs
```