





```
foldl : (a -> b -> b) -> b -> List a -> b
foldl func acc list =
    case list of
            acc
        X :: XS ->
            foldl func (func x acc) xs
```

## Now our fold function can work on many different data types.



```
foldl : (a -> b -> b) -> b -> List a -> b
foldl func acc list =
    case list of
    [] ->
        acc

x :: xs ->
    foldl func (func x acc) xs
```