

```
1 def map(key, value):  
2     list = []  
3     for x in value:  
4         if some_condition_holds:  
5             list.append((key, x))  
6     return list
```

```
1 def reduce(key, list_of_values):  
2     result = 0  
3     for x in list_of_values:  
4         result += x  
5     return (key, result)
```