reducer.py

```python
#!/usr/bin/env python
"""reducer.py"""

import sys

current_word = None
current_count = 0
word = None

for line in sys.stdin:
    line = line.strip()
    word, count = line.split('\t', 1)

    try:
        count = int(count)
    except ValueError:
        continue

    if current_word == word:
        current_count += count
    else:
        if current_word:
            print '%s\t%s' % (current_word, current_count)
        current_count = count
        current_word = word

if current_word == word:
    print '%s\t%s' % (current_word, current_count)
```

mapper.py

```python
#!/usr/bin/python
"""mapper.py"""

import sys
for line in sys.stdin:
        line = line.strip()
        words = line.split()
        for word in words:
                print '%s\t%s' % (word, 1)
```

steps:

1. gedit mapper.py
2. gedit word.txt
3. cat word.txt | python mapper.py
4. gedit reducer.py
5. cat word.txt | python mapper.py | sort | python reducer.py