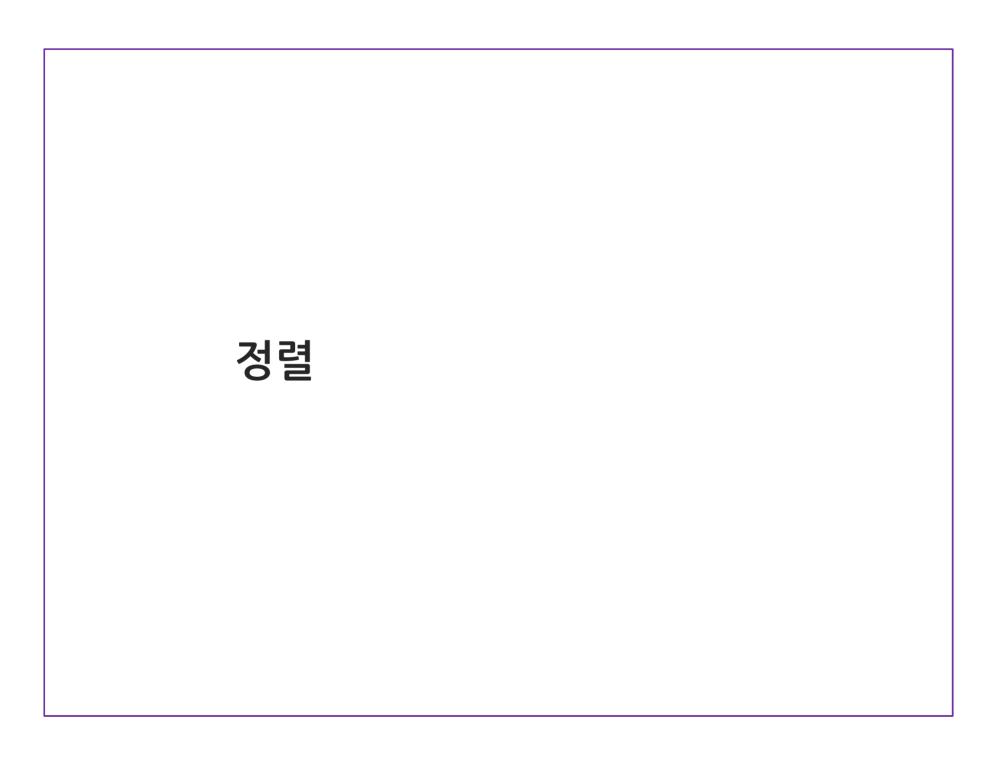
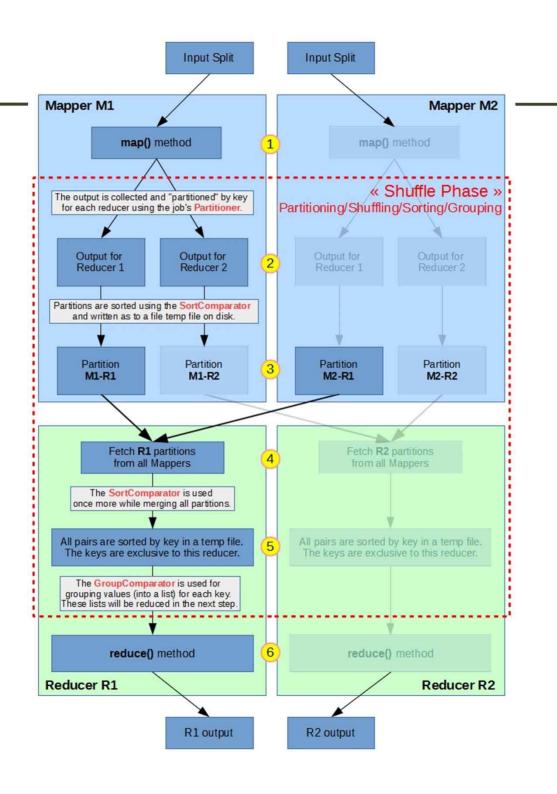
정렬



The overall MapReduce word count process Input Splitting Mapping Shuffling Reducing Final result Bear, 1 Bear, 2 Deer, 1 Bear, 1 Deer Bear River Bear, 1 River, 1 Car, 1 Car, 3 Bear, 2 Car, 1 Deer Bear River Car, 1 Car, 3 Car, 1 Car Car River Car Car River Car, 1 Deer, 2 Deer Car Bear River, 1 River, 2 Deer, 1 Deer, 2 Deer, 1 Deer, 1 Deer Car Bear Car, 1 River, 1 River, 2 Bear, 1 River, 1

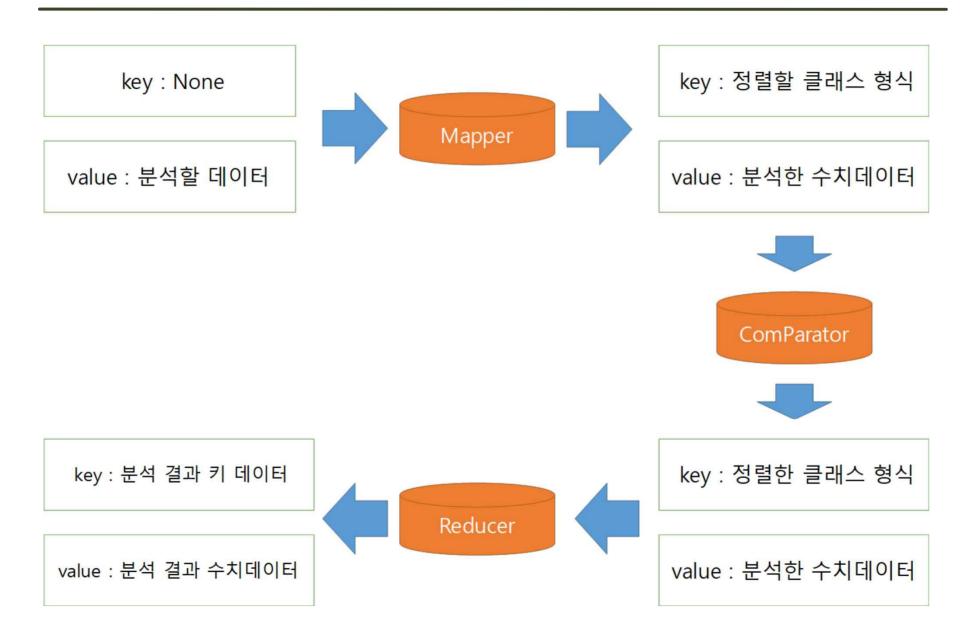


Quiz

■ Main 구현 시 사용했던 Job 클래스를 이용하여 실 운항된 월별 데이터를 출력 하시오

```
2008.1
        588457
2008.10 552956
2008.11 518814
2008.12 527179
2008.2 548640
       599907
2008.3
       587771
2008.4
       600064
2008.5
2008.6
       597734
        617333
2008.7
        602444
2008.8
2008.9
       530995
```

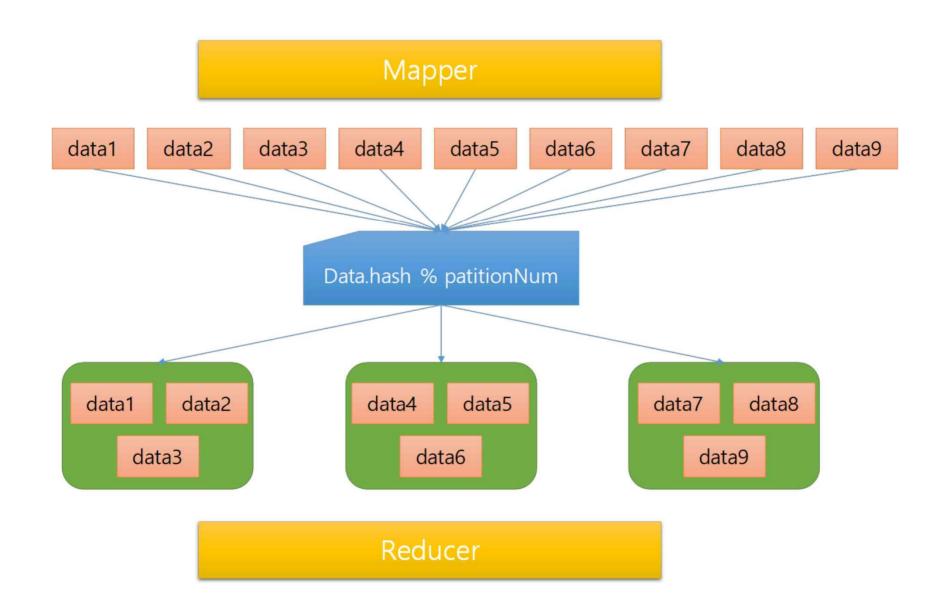
Comparator 활용



SortComparator vs GroupingComparator

- SortComparator는 Map에서 Reducer로 전달되는 하나의 블록을 키 기반으로 정렬하는 역할을 함.
- GroupingComparator은 Map에서 Reducer에 전달할 레코드를 어떤 기준으로 그룹화시킬지 결정하는 함수

파티셔너



Quiz

▶ 비행기별 낙후도를 항공사, 항공기번호 순으로 정렬하시오

| YV N27191 | 0.13470437 |
|-----------|-------------|
| YV N27185 | 0.14657329 |
| YV N27173 | 0.14279218 |
| YV N27172 | 0.14431164 |
| YV N17358 | 0.11858798 |
| YV N17337 | 0.09227349 |
| YV_N17275 | 0.102872066 |
| YV N17231 | 0.09922879 |
| YV N17175 | 0.14641608 |
| YV_N17156 | 0.16038696 |
| YV N154SF | 0.1476378 |

부분정렬(검색)

