Inverted Indexing: Pseudo-Code

```
1: class MAPPER
2:     procedure MAP(docid n, doc d)
3:         H ← new ASSOCIATIVEARRAY
4:         for all term t ∈ doc d do
5:             H{t} ← H{t} + 1
6:         for all term t ∈ H do
7:             EMIT(term t, posting ⟨n, H{t}⟩)
```

```
1: class REDUCER
2:     procedure REDUCE(term t, postings [⟨a₁, f₁⟩, ⟨a₂, f₂⟩ . . .])
3:         P ← new LIST
4:         for all posting ⟨a, f⟩ ∈ postings [⟨a₁, f₁⟩, ⟨a₂, f₂⟩ . . .] do
5:             APPEND(P, ⟨a, f⟩)
6:         SORT(P)
7:         EMIT(term t, postings P)
```