Exercises 7.1, 7.3

- 7.1: We suggested that the postings for static quality ordering be in decreasing order of $g(d)$. Why do we use the decreasing rather than the increasing order?
- 7.3: If we were to only have one-term queries, explain why the use of global champion lists (order postings by $g(d) + tf_{t,d} * idf_t$) with $r = K$ suffices for identifying the K highest scoring documents.

Exercise 7.6

- Sketch the frequency-ordered postings for the data in the following table

	Doc1	Doc2	Doc3
car	27	4	24
auto	3	33	0
insurance	0	33	29
best	14	0	17

Exercise 7.7

- Let the static quality scores for Doc1, Doc2 and Doc3 be respectively 0.25, 0.5 and 1. Sketch the postings for impact ordering when each postings list is ordered by the sum of the static quality score and the Euclidean normalized tf values in the following table

	Doc1	Doc2	Doc3
car	0.88	0.09	0.58
auto	0.10	0.71	0
insurance	0	0.71	0.70
best	0.46	0	0.41