Elasticsearch Assignment

We are going to exploit Elasticsearch's text searching abilities to analyze Shakespeare. You will be assigned a Shakespearean play and then asked to compare it to Henry IV. You will write elasticsearchqueries for each of these items below.

You will submit a MS Word document that has, for each question:

- The Elasticsearch query you used
- The results (all results if small, otherwise the first JSON document)

For example:

```
curl -X GET "http://localhost:9200/shakespeare/_source/123?pretty"

{
  "type" : "line",
  "line_id" : 124,
  "play_name" : "Henry IV",
  "speech_number" : 2,
  "line_number" : "1.2.10",
  "speaker" : "PRINCE HENRY",
  "text_entry" : "a fair hot wench in flame-coloured taffeta, I see no"
}
```

Warmup Questions

1. How many lines are in your play?

2. Who are the distinct speakers in your play?

Main Activity

You are going to determine whether your play is more or less violent than Henry IV. How you define "violent" is up to you. You would use the text searching capabilities of Elasticsearch to determine your answer. Your collection of Elasticsearch queries need to use Boolean login, term boosting, slopping, phrase matching, and lot of aggregation. You should also identify the most violent speaker in your assigned play and Henry IV. This is an individual assignment. Your submission must be your own original work.