Z534:Assignment 1:

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1. **How many documents are there in this corpus**

84474

1. **Why different fields are treated with different kinds of java class? i.e., StringField and TextField are used for different fields in this example, why?**

StringField stores data as a single string. TextField stores data as chunks i.e. tokens. In our example, we want docno to be stored as a single string so we are using StringField for DOCNO, for rest all fields i.e. DATALINE, BYLINE, HEAD and TEXT we want data to be stored as tokens and so we are using textfield.

**Comparison Of different analyzers-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | tokenization | How many tokens are there for this field | Stemming applied | Stop words removed? | How many terms in dictionary |
| keyword | no | 84474 | no | no | 84054 |
| simple | yes | 34843730 | no | no | 932081 |
| stop | yes | 25089642 | no | yes | 932048 |
| standard | yes | 25405918 | no | yes | 1098687 |