

# Team 15

## Project 3: Plausible Information Retrieval

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### Abstract

The main characteristic of this project is that it builds a modern retrieval framework that takes into account plausibility information expressed in documents.

That is, each action (e.g. eating, cooking, surfing, and selling) that is mentioned in a document can only be performed by certain types of entities (e.g. people can surf, animals can eat, companies can sell). Entity type (e.g. person) performs some action (e.g. cooking).

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## 1. Introduction

An information retrieval process begins when a user enters a query into the system. Queries are formal statements of information needs, for example search strings in web search engines. In information retrieval a query does not uniquely identify a single object in the collection. Instead, several objects may match the query, perhaps with different degrees of relevancy.

An object is an entity that is represented by information in a database. User queries are matched against the database information. Depending on the application the data objects may be, for example, text documents, images, audio, mind maps or videos. Often the documents themselves are not kept or stored directly in the IR system, but are instead represented in the system by document surrogates or metadata.

Most IR systems compute a numeric score on how well each object in the database matches the query, and rank the objects according to this value. The top ranking objects are then shown to the user. The process may then be iterated if the user wishes to refine the query.

## 2. Objective

Design and Modelling of plausible information retrieval system.

1. Data acquisition
2. Index Construction
3. Query formulation
4. Retrieval Model
5. Relevance Judgement
6. Graphical user interface (GUI) Construction

### 3. Work

#### Task 1: Data Acquisition

-JEFFERY WILSON

First, a large corpus of blog posts needed are acquired from the Spinn3r collection.

The dataset is formatted in XML and contains 142 GB of uncompressed blog postings regarding large news events (e.g. the Olympics, presidential nominations, financial crises).

We used the story corpora extraction script (written in Python) provided and extracted the subset of blog posts that contain narrative stories. This dataset will be the corpus used for this project.

Once secured, we were able to extract the 7.3 GB of identified narrative blog entries with the supplied python script as well as to generate several variations of the data set by altering the script, including smaller subsets for use in development of the index builder as we experimented with different indexing and retrieval methodologies.

- Obtained bulk data, distributed via hardware
- Personal coordination data and a meeting place
- Extracted 1.6 million relevant blog entries
- Customized record format
- Doc-ID to GUID, GUID to source entry
- Advised on UI format
- Original architecture paralleling homeworks
- Query and document relevance judgments

The File we got after data acquisition which consists of 1.6 million documents is 7.35 GB. Which is given to the next group to work on Indexing.

## Task 2: Index Construction

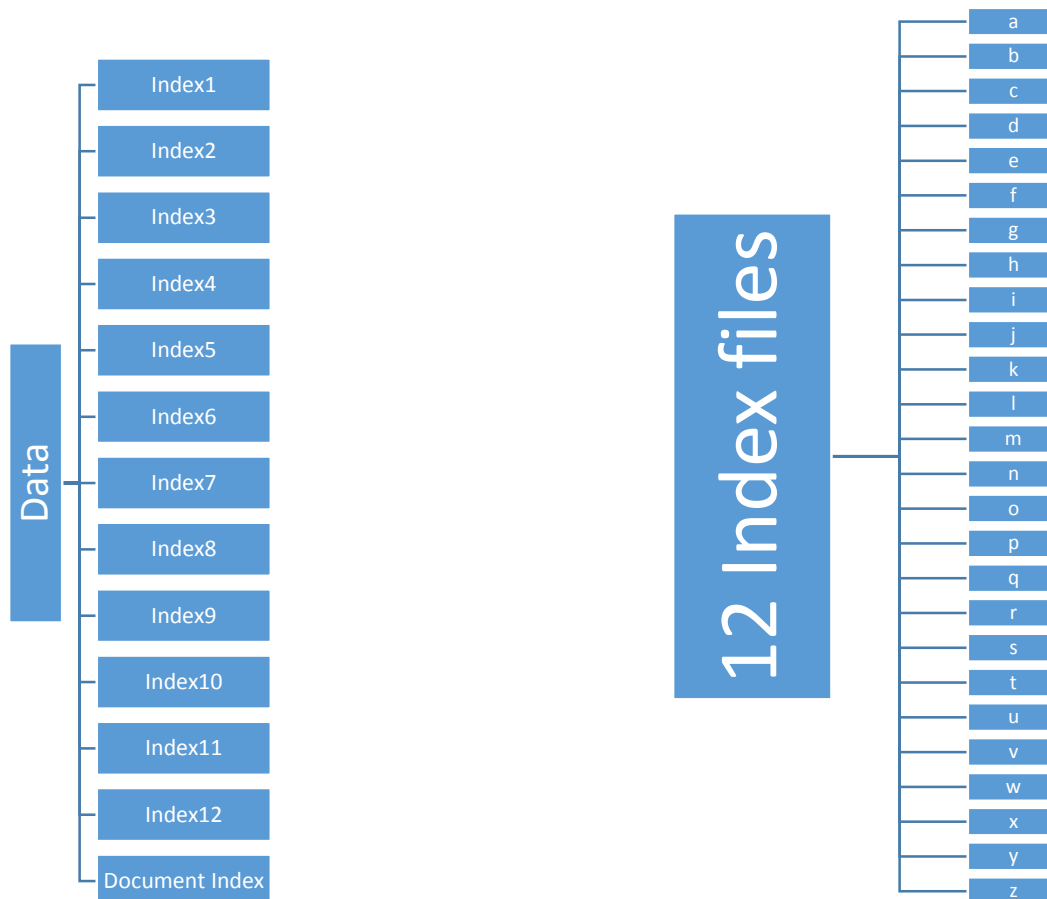
- BENNY STEPHEN MERUGU and VIKRAM VEPURI

After we got the file from data acquisition part. We took the large file which contains all the documents and created indexes out of it. The approach we used for this is segmented indexing. Where we create a separate index for every alphabet. We also created an index for storing the document Id, Title and Url. So, we have 26 index files for each alphabet and 1 index for documents. So total 27 Indexes.

This is how we did that:

Index construction is done with the help of the “Bucket idea”. At first 1, 00,000 files are parsed and kept in memory. The corresponding ordered Concurrent Hashmap entry has the token name as the key and the linked list as the values. The linked list is a structure which hold the frequency, maximum TF, document ID, Document Frequency (in that 1, 00,000 files). After the whole 100000 files are processed the values are written into sparse index files. So, we get 12 index files for 12, 00,000 files. But this is not enough as we may have same tokens in those files. For example apple may be in both index1 and index2. So, to eliminate this problem we create another 26 index files from this 12 index files according to the alphabet they start with. For example all words starting with “a” are written to a separate file i.e. apple, ant, at will be written to “a”.txt and bat, bar etc. would be written to “b”.txt.

Repeat this process for the next 11 index files and append to corresponding “starting letter” files. This will allow the retrieval faster.



### Task 3: Retrieval Model

- VINEETH JOSEPH and TEJASVY PALAPARTHI

Queries taken from the GUI are Parsed and Actions and Entities are identified from it and relevant documents are retrieved. The relevance model sees that each entity type is present as well as the likelihood that the entity types engaged in the described actions (if any) for the retrieved documents. For each retrieved blog post, systems outputs the following components: (1) the associated query number, (2) the title of the retrieved blog post, (3) the URL of the retrieved blog post, (4) the “rank” (position) of the retrieved blog post in the results, and (5) the score of the retrieved blog post.

Entities:

These entity types are inspired by Wikipedia, and capture a hierarchy of common nouns, such as `THING.AGENT.PERSON` which indicates a person (e.g. Sarah, Bryan) or `THING.FOOD` which indicates some sort of food (e.g. cake, steak, pizza).

Actions:

We will loosely define an action as any verb that expresses something that an entity can do (e.g. the man ate the cake, the cat drank milk).

Process:

Query is first passed from the GUI layer. The query is first tokenenised .We make use of wordnet library here. JWNL is a Java API for accessing the WordNet relational dictionary. WordNet is widely used for developing NLP applications, and a Java API such as JWNL will allow developers to more easily use Java for building NLP application. Synset gives each sense of word. Our code is supplied with a token and it looks in the wordnet database searching for nouns matching for input token. The return type is an array of Synset objects. As explained before synset contains word and all its synonyms. Indirectly all holynms are found. For example tiger is searched tigrido(tiger cub),tigrino(tigress) all are retrieved. All these words are send to the searcher to be searched from the index created from task 2. Wordnet ensures plausible relevance and hypernyms and hyponyms would be searched in the index which is made. Score function uses basic tf-idf weighing schemes. The nouns are given weights and the score is calculated and the value is put into a hashmap. Then the hashmaps is sorted based on the values and given to the GUI Layer.

## Task 4: GUI Construction

- AMOL VAZE and TIAN YUN

We designed a graphical user interface (GUI) which allows a user to enter a query and view the results.

The design of the GUI is as follows:

We used bootstrap UI for developing our web template. The webpage consists of a search form where user can enter his query and the query is send to the server using ajax call and rest api where the Plausible retrieval system performs its actions and replies with a json object which can be displayed in web page in the form of records where each record consists of the title, the url of the document and the weight calculated and the categories which it belonged to. Each record is displayed in the descending order of the weights. When we click on the title it takes us to the resultant web page.

It Looks Likes:

The screenshot displays a web search interface. At the top, there is a blue search bar with the text 'Search' and a magnifying glass icon. Below the search bar, the search query 'southern Hellas in the Thermopylae passage' is entered. The search results are displayed in a table format with the following columns: Title, URL, and Weight. The results are sorted in descending order of weight.

Title	URL	Weight
<b>Turking the piss - 3</b>	<a href="http://blackandwhiteandreadallover.blogspot.com/2008/07/turking-piss.html">http://blackandwhiteandreadallover.blogspot.com/2008/07/turking-piss.html</a>	1.51278
<b>lauren hastings ben indra - 864437</b>	<a href="http://theodorabe14.spaces.live.com/Blog/cns!FE363CAF13EE9CEAI117.entry">http://theodorabe14.spaces.live.com/Blog/cns!FE363CAF13EE9CEAI117.entry</a>	1.06629
<b>On Singfest, Friendship and Pocket - 11768</b>	<a href="http://simplybaby.blogspot.com/2008/08/on-singfest-friendship-and-pocket.html">http://simplybaby.blogspot.com/2008/08/on-singfest-friendship-and-pocket.html</a>	1.02144
<b>Otaku Warfare - 865367</b>	<a href="http://anime.vox.com/library/post/otaku-warfare.html?_c=feed-atom">http://anime.vox.com/library/post/otaku-warfare.html?_c=feed-atom</a>	0.90813
<b>awkward... - 203689</b>	<a href="http://masonbutler.livejournal.com/404299.html">http://masonbutler.livejournal.com/404299.html</a>	0.90078
<b>adore.adore.adore. - 282631</b>	<a href="http://fuss-n-bother.livejournal.com/47806.html">http://fuss-n-bother.livejournal.com/47806.html</a>	

## 4. Query Formulation

This is a task that has to be performed by all the individual members of the group. In this project, the query should involve at least one ENTITY and possibly an ACTION. Each entity should be based on the entity types described earlier. Each query should consist of (1) a paragraph-length description of the scenario inspiring the user to use your information retrieval system, (2) the information need the user is trying to satisfy, (3) the raw query as the user might input to your system, as well as (4) a list of the entity-types present in that query and (4) a list of any actions present in the query. Three example queries are provided below.

All the developers must put in the query and get the relevance of the query and submit it as individual pages to this word file

### Query 1.

<Query id="3"> <Scenario>

Bryan loves trains. He is interested in discovering stories about people's experiences riding trains.

</Scenario>

<Information Need>

Stories about people riding trains.

</Information Need>

<Query>

PERSON rides TRAIN

</Query>

<Entities>

<Entity>THING.AGENT.PERSON</Entity>

<Entity>THING.MEANOFTRANSPORTATION.TRAIN</Entity>

</Entities>

</Query>

### Results for Query 1

Query Id	Filename	Rank	Binary Relevance
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	1	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file886.txt	2	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file649.txt	3	Yes

QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file603.txt	4	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file903.txt	5	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file376.txt	6	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file691.txt	7	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file257.txt	8	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file151.txt	9	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file936.txt	10	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file810.txt	11	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file377.txt	12	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file868.txt	13	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file308.txt	14	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file407.txt	15	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file481.txt	16	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file565.txt	17	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file805.txt	18	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file379.txt	19	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file895.txt	20	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file618.txt	21	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file655.txt	22	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file709.txt	23	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file696.txt	24	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file44.txt	25	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file335.txt	26	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file873.txt	27	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file521.txt	28	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file256.txt	29	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file153.txt	30	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file373.txt	31	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file318.txt	32	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file621.txt	33	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file619.txt	34	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file948.txt	35	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file480.txt	36	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file831.txt	37	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file365.txt	38	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file38.txt	39	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file224.txt	40	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file637.txt	41	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file985.txt	42	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file36.txt	43	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file717.txt	44	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file292.txt	45	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file836.txt	46	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file669.txt	47	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file559.txt	48	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file676.txt	49	no



QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file884.txt	50	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file848.txt	51	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file718.txt	52	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file857.txt	53	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file711.txt	54	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file615.txt	55	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file939.txt	56	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file838.txt	57	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file992.txt	58	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file620.txt	59	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file41.txt	60	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file37.txt	61	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file225.txt	62	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file885.txt	63	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file344.txt	64	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file509.txt	65	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file682.txt	66	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file203.txt	67	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file721.txt	68	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file591.txt	69	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file135.txt	70	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file523.txt	71	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file467.txt	72	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file262.txt	73	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file152.txt	74	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file138.txt	75	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file362.txt	76	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file526.txt	77	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file702.txt	78	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file752.txt	79	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file255.txt	80	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file270.txt	81	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file917.txt	82	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file569.txt	83	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file589.txt	84	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file662.txt	85	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file768.txt	86	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file34.txt	87	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file715.txt	88	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file393.txt	89	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file88.txt	90	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file889.txt	91	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file236.txt	92	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file518.txt	93	No
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file566.txt	94	Yes
QueryId::3	C:\Users\vint\Desktop\test\Release\spinner\file760.txt	95	No

<b>QueryId::3</b>	C:\Users\vint\Desktop\test\Release\spinner\file935.txt	96	No
<b>QueryId::3</b>	C:\Users\vint\Desktop\test\Release\spinner\file440.txt	97	No
<b>QueryId::3</b>	C:\Users\vint\Desktop\test\Release\spinner\file390.txt	98	No
<b>QueryId::3</b>	C:\Users\vint\Desktop\test\Release\spinner\file347.txt	99	No
<b>QueryId::3</b>	C:\Users\vint\Desktop\test\Release\spinner\file401.txt	100	No

## Query 2.

Creator: Vineeth Joseph

<Query id="Vint">

<Scenario>

I just adopted a Shiba Inu puppy.

She wants to travel to Chicago via train.

Blogs about travelling and taking dogs for long journeys

</Scenario>

<Information Need>

Info about travelling and taking dogs for long journeys in train.

</Information Need>

<Query>

DOG rides TRAIN

</Query>

<Entities>

<Entity>THING.SPECIES.EUKARYOTE.ANIMAL.MAMAL.DOG</Entity>

<Entity>THING.MEANOFTRANSPORTATION.TRAIN</Entity>

</Entities>

</Query>

### Results for Query 2

Query Id	Filename	Rank	Binary Relevance
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	2	Yes
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file30805.txt	3	No
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	4	Yes

QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	5	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	6	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	7	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	8	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	9	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	10	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	11	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file96522.txt	12	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	13	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file29937.txt	14	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	15	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	16	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	17	yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	18	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	19	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	20	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	21	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	22	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file5907.txt	23	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	24	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	25	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	26	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file6640.txt	27	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	28	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	29	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file8190.txt	30	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file41796.txt	31	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file44676.txt	32	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	33	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file12608.txt	34	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	35	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file87099.txt	36	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file48583.txt	37	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	38	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file44694.txt	39	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	40	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file40769.txt	41	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	42	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	43	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file11756.txt	44	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file8440.txt	45	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file71755.txt	46	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file37314.txt	47	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file87724.txt	48	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	49	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file12813.txt	50	No

QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file7239.txt	51	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	52	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	53	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	54	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	55	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	56	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	57	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file79834.txt	58	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	59	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	60	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	61	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	62	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	63	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file47288.txt	64	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	65	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file71319.txt	66	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file62823.txt	67	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	68	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file86431.txt	69	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file64929.txt	70	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file79483.txt	71	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file48053.txt	72	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	73	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file43017.txt	74	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file42301.txt	75	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	76	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file67424.txt	77	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file40770.txt	78	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	79	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	80	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	81	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file3450.txt	82	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file13703.txt	83	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file59380.txt	84	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file59258.txt	85	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	86	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file87324.txt	87	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file42177.txt	88	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file30809.txt	89	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file7919.txt	90	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file87098.txt	91	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file36244.txt	92	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file57291.txt	93	Yes
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file61256.txt	94	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file72299.txt	95	No
QueryId::Vint	C:\Users\vint\Desktop\test\Release\spinner\file4414.txt	96	No

<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file24440.txt	97	No
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	98	No
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file37315.txt	99	No
<b>QueryId::Vint</b>	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	100	No

### Query 3.

Creator: Tejasvy

<Query id="Teja">

<Scenario>

Tejasvy is doing researches in companies which he has to join.

He would like to find blog posts in which companies are described doing some action, and compile a list of which actions companies perform.

</Scenario>

<Information Need>

Which actions are performed by companies and the best for him?

</Information Need>

<Query>

COMPANY

</Query>

<Entities>

<Entity>THING.AGENT.COMPANY</Entity>

</Entities>

</Query>

Results for Query 3

Query Id	Filename	Rank	Binary Relevance
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	2	No
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	3	Yes
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	4	Yes
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	5	No
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	6	Yes
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	7	No
<b>QueryId::Teja</b>	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	8	No

QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	9	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	10	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	11	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	12	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	13	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	14	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	15	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	16	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	17	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	18	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	19	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	20	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	21	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	22	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	23	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	24	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	25	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	26	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	27	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	28	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	29	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	30	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	31	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	32	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	33	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	34	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	35	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	36	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	37	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	38	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	39	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	40	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	41	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	42	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	43	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	44	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	45	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	46	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	47	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	48	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	49	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	50	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	51	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	52	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	53	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	54	Yes

QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	55	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	56	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	57	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	58	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	59	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	60	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	61	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	62	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	63	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	64	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	65	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file81288.txt	66	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	67	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	68	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file53816.txt	69	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	70	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file39241.txt	71	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file50805.txt	72	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	73	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file32992.txt	74	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	75	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file41796.txt	76	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file53629.txt	77	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	78	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file45844.txt	79	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file80732.txt	80	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file72682.txt	81	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file47288.txt	82	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file8743.txt	83	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file47553.txt	84	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	85	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file72299.txt	86	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file47237.txt	87	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	88	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file45596.txt	89	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file50209.txt	90	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	91	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file27691.txt	92	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file82882.txt	93	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file4296.txt	94	Yes
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file22360.txt	95	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	96	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	97	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	98	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file7919.txt	99	No
QueryId::Teja	C:\Users\vint\Desktop\test\Release\spinner\file43057.txt	100	No

#### Query 4.

Creator: Jeff

<Query id="Jeff"> <Scenario>

Parth is unhappy in his workplace. He feels unappreciated by his boss and bullied by his co-workers. He would like to find what strategies for improvement in workplace relations have been successful for other people. </Scenario>

<Information Need>

How to improve workplace attitudes.

</Information Need>

<Query>

WORKER respects WORKER

</Query>

<Entities>

<Entity>THING.AGENT.PERSON.WORKER</Entity>

</Entities>

<Actions>

<Action>RESPECTS</ Action>

</Actions>

</Query>

Results for Query 4

Query Id	Filename	Rank	Binary Relevance
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	2	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	3	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	4	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	5	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	6	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	7	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	8	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	9	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	10	Yes



QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	11	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	12	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	13	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	14	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	15	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	16	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	17	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	18	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	19	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	20	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	21	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	22	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	23	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	24	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	25	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	26	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	27	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	28	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file1194.txt	29	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file51929.txt	30	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	31	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	32	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	33	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	34	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	35	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	36	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file88162.txt	37	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	38	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file79834.txt	39	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file61256.txt	40	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file87099.txt	41	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	42	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	43	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file2983.txt	44	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file5001.txt	45	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	46	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	47	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	48	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	49	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	50	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file72682.txt	51	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	52	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file53816.txt	53	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	54	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	55	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file82312.txt	56	Yes

QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	57	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	58	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file41796.txt	59	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	60	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	61	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	62	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file40770.txt	63	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file89854.txt	64	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file89854.txt	65	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file36244.txt	66	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file87724.txt	67	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file53629.txt	68	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	69	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	70	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	71	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	72	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file25847.txt	73	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	74	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	75	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file45596.txt	76	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	77	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	78	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	79	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	80	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file82882.txt	81	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file57291.txt	82	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	83	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file35044.txt	84	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file12520.txt	85	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file13703.txt	86	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file50544.txt	87	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file71755.txt	88	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	89	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file44676.txt	90	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file12608.txt	91	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file43017.txt	92	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	93	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	94	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	95	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file84086.txt	96	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file44694.txt	97	Yes
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file8220.txt	98	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file52404.txt	99	No
QueryId::Jeff	C:\Users\vint\Desktop\test\Release\spinner\file79483.txtv	100	No

## Query 5.

Creator: Amol

<Query id="Amol">

<Scenario>

Amol class teacher has asked him to collect all train accidents in past year and prepare a statistics with causes and how to avoid it

Blogs which discusses about train accidents in the past

</Scenario>

<Information Need>

Train accidents in the past

</Information Need>

<Query>

TRAIN accidents

</Query>

<Entities>

<Entity>THING.MEANOFTRANSPORTATION.TRAIN</Entity>

</Entities>

</Query>

Results for Query 5

Query Id	Filename	Rank	Binary Relevance
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	2	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	3	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	4	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	5	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	6	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	7	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	8	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	9	Yes

QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	10	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	11	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	12	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	13	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	14	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	15	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	16	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	17	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	18	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	19	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	20	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	21	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	22	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	23	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	24	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	25	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	26	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	27	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	28	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	29	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	30	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	31	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	32	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	33	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	34	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	35	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	36	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	37	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	38	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	39	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	40	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	41	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	42	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	43	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	44	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	45	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	46	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file53816.txt	47	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	48	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	49	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file45844.txt	50	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file41796.txt	51	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	52	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	53	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	54	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	55	No

QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	56	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file13703.txt	57	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	58	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	59	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file53629.txt	60	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	61	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	62	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file39241.txt	63	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file42177.txt	64	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	65	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	66	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file50805.txt	67	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file7919.txt	68	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	69	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file23238.txt	70	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	71	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file24440.txt	72	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file36244.txt	73	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file80732.txt	74	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	75	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file81288.txt	76	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	77	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file47237.txt	78	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file22452.txt	79	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file22360.txt	80	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file4296.txt	81	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file4975.txt	82	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file47288.txt	83	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file87099.txt	84	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file32992.txt	85	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file48583.txt	86	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file74714.txt	87	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file12608.txt	88	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	89	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file43057.txt	90	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	91	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file35971.txt	92	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file27691.txt	93	Yes
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file48053.txt	94	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file82882.txt	95	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file79483.txt	96	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file12813.txt	97	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file59380.txt	98	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file44920.txt	99	No
QueryId::Amol	C:\Users\vint\Desktop\test\Release\spinner\file4278.txt	100	No

## Query 6.

Creator: Benny

<Query id="Benny">

<Scenario>

Tim is going to buy a new phone. He is trying to search for the best phone that is available in the market. He is trying to search all the blogs that discusses about the phones.

</Scenario>

<Information Need>

Stories about new phones.

</Information Need>

<Query>

New Phones in the market

</Query>

<Entities>

<Entity>THING.PHONES </Entity>

</Entities>

</Query>

Results for Query 6

Query Id	Filename	Rank	Binary Relevance
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	2	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	3	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	4	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	5	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	6	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	7	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	8	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	9	No

QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	10	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	11	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	12	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	13	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	14	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	15	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	16	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	17	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	18	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	19	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	20	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	21	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	22	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	23	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	24	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	25	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	26	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	27	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	28	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	29	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	30	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	31	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	32	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	33	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	34	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	35	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	36	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	37	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	38	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	39	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	40	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	41	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	42	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	43	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	44	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	45	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	46	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	47	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	48	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	49	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	50	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	51	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	52	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	53	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file53816.txt	54	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	55	No

QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	56	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file4975.txt	57	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	58	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file53629.txt	59	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	60	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file45844.txt	61	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file81288.txt	62	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file47288.txt	63	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file72299.txt	64	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	65	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file47237.txt	66	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file32992.txt	67	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	68	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	69	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file24440.txt	70	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	71	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file87724.txt	72	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	73	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	74	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file42177.txt	75	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file59380.txt	76	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file47553.txt	77	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file50805.txt	78	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file45596.txt	79	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file7919.txt	80	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file61256.txt	81	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	82	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file20622.txt	83	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file57291.txt	84	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	85	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file41796.txt	86	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file22452.txt	87	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file71755.txt	88	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file12608.txt	89	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file59258.txt	90	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file23238.txt	91	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file20667.txt	92	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file80732.txt	93	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file39241.txt	94	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file25847.txt	95	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	96	Yes
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file67424.txt	97	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file48583.txt	98	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file22360.txt	99	No
QueryId::Benny	C:\Users\vint\Desktop\test\Release\spinner\file72850.txt	100	No



## Query 7.

Creator: Tian

<Query id="Tian">

<Scenario>

Tommy likes to play cricket. He usually plays cricket and enjoys his vacation. Also, he usually watches a lot of test and one-day international matches.

</Scenario>

<Information Need>

Stories about people playing and enjoying cricket.

</Information Need>

<Query>

Man plays cricket and football during his free time.

</Query>

<Entities>

<Entity>THING.AGENT.PERSON</Entity>

<Entity>THING.MEANINGOFPLAY.CRICKET</Entity>

</Entities>

</Query>

Results for Query 7

Query Id	Filename	Rank	Binary Relevance
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	2	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	3	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	4	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	5	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	6	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	7	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	8	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	9	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	10	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	11	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	12	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	13	No

QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	14	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	15	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file10313.txt	16	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	17	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	18	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	19	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	20	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	21	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file1194.txt	22	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	23	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	24	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	25	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	26	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	27	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file51929.txt	28	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	29	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	30	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file5001.txt	31	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file79834.txt	32	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	33	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	34	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file88162.txt	35	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	36	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	37	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file82312.txt	38	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file61256.txt	39	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file69752.txt	40	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	41	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	42	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	43	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file89854.txt	44	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file2983.txt	45	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	46	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file87099.txt	47	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	48	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file40770.txt	49	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	50	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	51	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	52	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	53	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	54	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	55	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	56	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	57	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	58	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	59	No

QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	60	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	61	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file72682.txt	62	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	63	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	64	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file44676.txt	65	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	66	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	67	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	68	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	69	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file36244.txt	70	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file25847.txt	71	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	72	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file86069.txt	73	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	74	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file50544.txt	75	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	76	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	77	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	78	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	79	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file64929.txt	80	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	81	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	82	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	83	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file39453.txt	84	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file45596.txt	85	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	86	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file46742.txt	87	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file58487.txt	88	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file7239.txt	89	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file8220.txt	90	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file50805.txt	91	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file39241.txt	92	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file24440.txt	93	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	94	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file43017.txt	95	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file71755.txt	96	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file50209.txt	97	Yes
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file57291.txt	98	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file4296.txt	99	No
QueryId::Tian	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	100	No

## Query 8.

Creator: Vikram

<Query id="Vikram"> <Scenario>

Tian finds it so bored during Thanksgiving holidays, he wants to find some board games to play with other people. </Scenario>

<Information Need>

What are the board games could people play together

</Information Need>

<Query>

people play board games

</Query>

<Entities>

<Entity>THING.ACTIVITY.GAME.BOARDGAME</Entity>

</Entities>

</Query>

Results for Query 8

Query Id	Filename	Rank	Binary Relevance
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30814.txt	1	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30808.txt	2	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file37088.txt	3	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file7246.txt	4	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file56020.txt	5	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	6	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30815.txt	7	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file78541.txt	8	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30807.txt	9	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file15204.txt	10	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file88398.txt	11	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file77608.txt	12	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file3059.txt	13	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file57837.txt	14	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30810.txt	15	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file9502.txt	16	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file84523.txt	17	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file83837.txt	18	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file19892.txt	19	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file9652.txt	20	Yes

QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file62304.txt	21	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file48957.txt	22	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file29947.txt	23	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file49523.txt	24	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file30478.txt	25	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file23345.txt	26	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file18891.txt	27	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file29831.txt	28	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file33169.txt	29	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file86972.txt	30	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file49058.txt	31	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file84407.txt	32	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file35523.txt	33	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file39002.txt	34	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file63569.txt	35	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file12748.txt	36	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file27135.txt	37	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file37313.txt	38	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file64078.txt	39	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file26245.txt	40	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file16884.txt	41	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file10771.txt	42	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file44955.txt	43	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file71441.txt	44	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file19028.txt	45	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file51926.txt	46	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file47235.txt	47	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file59037.txt	48	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file19126.txt	49	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file76435.txt	50	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file79876.txt	51	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file13548.txt	52	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file53816.txt	53	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file85622.txt	54	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file32180.txt	55	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file25847.txt	56	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file25847.txt	57	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file82882.txt	58	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file36258.txt	59	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file20667.txt	60	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file69209.txt	61	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file51929.txt	62	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file20622.txt	63	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file53629.txt	64	No
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file65685.txt	65	Yes
QueryId::Vikram	C:\Users\vint\Desktop\test\Release\spinner\file87099.txt	66	No

<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file45844.txt	67	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file47237.txt	68	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file40173.txt	69	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file81288.txt	70	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	71	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file3612.txt	72	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file5001.txt	73	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file79834.txt	74	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	75	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	76	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file83151.txt	77	Yes
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file7919.txt	78	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file81738.txt	79	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file14911.txt	80	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file2983.txt	81	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	82	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file58926.txt	83	Yes
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file10222.txt	84	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file64842.txt	85	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file50544.txt	86	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file47499.txt	87	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file1194.txt	88	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file71319.txt	89	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file89854.txt	90	Yes
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file13703.txt	91	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file23238.txt	92	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file23238.txt	93	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file448.txt	94	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file22360.txt	95	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file40770.txt	96	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	97	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	98	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file84520.txt	99	No
<b>QueryId::</b> Vikram	C:\Users\vint\Desktop\test\Release\spinner\file48053.txt	100	No

## 5. Mean Average Precision

Precision:

Precision is the fraction of the documents retrieved that are relevant to the user's information need.

Mean average precision:

Mean average precision for a set of queries is the mean of the average precision scores for each query.

$$\text{MAP} = \frac{\sum_{q=1}^Q \text{AveP}(q)}{Q}$$

Where Q is the number of queries.

Precisions for our Queries:

Query 1:

$$P1 = 24/100 = 0.24$$

$$P2 = 40/100 = 0.40$$

$$P3 = 45/100 = 0.45$$

$$P4 = 34/100 = 0.34$$

$$P5 = 30/100 = 0.30$$

$$P6 = 31/100 = 0.31$$

$$P7 = 26/100 = 0.26$$

$$P8 = 29/100 = 0.29$$

$$\text{MAP} = P1 + P2 + P3 + P4 + P5 + P6 + P7 + P8 / 8 = 0.32375$$

## 6. Conclusion

After an extensive work on the plausible retrieval model we found that a perfect model is not in our reach at this point of time. But we could do a good model whose mean average precision is around 32.5 %. But we learnt a lot of new things like extracting data from large sets, Index segmentation, and plausible retrieval based on actions and entities.

Results of 8 query formulations containing QueryId, filename, rank, binary relevance are shown.

Java code for plausible retrieval model which consists of all the tasks (indexing, Retrieval and GUI) is submitted.

## 7. References

1. <http://www.icwsm.org/2009/data/index.shtml>
2. <http://www.icwsm.org/2009/data/icwsm-spinn3r.pdf> to [dataset-request@icwsm.org](mailto:dataset-request@icwsm.org)
3. <http://people.ict.usc.edu/~gordon/downloads/icwsm09stories-2.1.tgz>
4. <http://mappings.dbpedia.org/server/ontology/classes/>