

# SUYASH PRATAP SINGH(181B226)

## TASKS:-

Given following 10 documents. Write name of documents that are retrieved after processing following queries.

Hint: A document is a matching document of a query if it contains any keyword of a query.

Queries

1. "Natural Language Processing"
2. "Information Retrieval"
3. "Book Text"
4. "Book"
5. "Web HTML"
6. "Text Theory"

```
In [2]: queries = ["Natural Language Processing", "Information Retrieval", "Book Text",
, "Book", "Web HTML", "Text Theory"]
files = open('Assignment_task_1.txt', "r")
documents = files.readlines()
for i in queries:
    print("Query - " + i)
    print("Matched Documents -", end = ' ')
    for j in range(len(documents)):
        if i.lower() in documents[j].lower():
            print("Document " + (str)(j + 1), end = ' ')
    print()
```

Query - Natural Language Processing

Matched Documents - Document 1 Document 2

Query - Information Retrieval

Matched Documents - Document 1 Document 3 Document 4 Document 5 Document 6

Query - Book Text

Matched Documents -

Query - Book

Matched Documents - Document 1 Document 2 Document 3 Document 4 Document 5 Document 6 Document 7 Document 8

Query - Web HTML

Matched Documents -

Query - Text Theory

Matched Documents -

## THANK YOU