

## 1. A query with a single keyword.

### Test Case1

Query: part

```
Posting of part is [1, 2, 5]
The presence of part is in [1, 2, 5]
Document 1:cv000_29416.txt
Document 2:cv001_19502.txt
Document 5:cv004_12641.txt
```

```
. ----jGRASP: operation complete.
|
```

### Test Case2

Query: time

```
Posting of time is [2, 3, 4, 5]
The presence of time is in [2, 3, 4, 5]
Document 2:cv001_19502.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
```

```
. ----jGRASP: operation complete.
```

## 2. A query with two keywords AND operation.

### Test Case1

Query: plot AND teen

```
Posting of plot is [1, 3, 5]
The presence of plot is in [1, 3, 5]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 5:cv004_12641.txt
Posting of teen is [1, 3, 4]
The presence of teen is in [1, 3, 4]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
Keywords in AND query combined in following order:
1 plot
2 teen
The presence of plot AND teen are in [1, 3]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
```

```
----jGRASP: operation complete.
```

### Test Case2

Query: good AND head

```
Posting of head is [1, 2, 4]
The presence of head is in [1, 2, 4]
Document 1:cv000_29416.txt
Document 2:cv001_19502.txt
Document 4:cv003_12683.txt
Posting of good is [1, 2, 4, 5]
The presence of good is in [1, 2, 4, 5]
Document 1:cv000_29416.txt
Document 2:cv001_19502.txt
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
Keywords in AND query combined in following order:
1 head
2 good
The presence of head AND good are in [1, 2, 4]
Document 1:cv000_29416.txt
Document 2:cv001_19502.txt
Document 4:cv003_12683.txt
```

```
----jGRASP: operation complete.
```

### 3. A query with two keywords OR operation.

#### Test Case1

Query: plot OR teen

```
Posting of plot is [1, 3, 5]
The presence of plot is in [1, 3, 5]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 5:cv004_12641.txt
Posting of teen is [1, 3, 4]
The presence of teen is in [1, 3, 4]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
The presence of plot OR teen are in [1, 3, 5, 4]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 5:cv004_12641.txt
Document 4:cv003_12683.txt
```

```
----jGRASP: operation complete.
```

|

#### Test Case2

Query: enter OR show

```
Posting of enter is [1, 5]
The presence of enter is in [1, 5]
Document 1:cv000_29416.txt
Document 5:cv004_12641.txt
Posting of show is [1, 3, 4]
The presence of show is in [1, 3, 4]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
The presence of enter OR show are in [1, 5, 3, 4]
Document 1:cv000_29416.txt
Document 5:cv004_12641.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
```

```
----jGRASP: operation complete.
```

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#### 4. A query with three or more keywords AND operation.

##### Test Case1

Query: film AND attempt AND break

```
Posting of break is [1, 4]
The presence of break is in [1, 4]
Document 1:cv000_29416.txt
Document 4:cv003_12683.txt
Posting of film is [1, 3, 4, 5]
The presence of film is in [1, 3, 4, 5]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
Posting of attempt is [1, 3, 4, 5]
The presence of attempt is in [1, 3, 4, 5]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
Keywords in AND query combined in following order:
1 break
2 film
3 attempt
The presence of break AND film AND attempt are in [1, 4]
Document 1:cv000_29416.txt
Document 4:cv003_12683.txt

----jGRASP: operation complete.
```

## Test Case2

Query: film AND forest AND break AND danger

```
Posting of forest is [4]
The presence of forest is in [4]
Document 4:cv003_12683.txt
Posting of break is [1, 4]
The presence of break is in [1, 4]
Document 1:cv000_29416.txt
Document 4:cv003_12683.txt
Posting of danger is [4, 5]
The presence of danger is in [4, 5]
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
Posting of film is [1, 3, 4, 5]
The presence of film is in [1, 3, 4, 5]
Document 1:cv000_29416.txt
Document 3:cv002_17424.txt
Document 4:cv003_12683.txt
Document 5:cv004_12641.txt
Keywords in AND query combined in following order:
1 forest
2 break
3 danger
4 film
The presence of forest AND break AND danger AND film are in [4]
Document 4:cv003_12683.txt
```

```
----jGRASP: operation complete.
```