

Query Types Examples

1. Search for a single word (You can directly type the word)

E.g., `crypto`

E.g., `"Encryption"`

```
root@5f8aad29601d:/# python /home/Lucene/FieldSearch.py

Press enter with no input to quit.
If field is blank, there is no data for it.
Query: encryption
Searching for: encryption
50 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.crypt_1646.txt
Document_ID: 15806
From: "Stephen J. Ludwick" <sl3b+@andrew.cmu.edu>
Subject: Encryption Chips

Link to file: /home/Lucene/DataNews/sci.crypt_132.txt
Document_ID: 15276
From: deuelpm@craft.camp.clarkson.edu (Hobbit)
Subject: Re: White House Public Encryption Management Fact Sheet
```

2. Search for 2 or more consecutive words (Type the words inside `"`)

E.g., `"Data science and statistics"`

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: "unique encryption/decryption devices"
Searching for: "unique encryption/decryption devices"
1 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.crypt_132.txt
Document_ID: 15276
From: deuelpm@craft.camp.clarkson.edu (Hobbit)
Subject: Re: White House Public Encryption Management Fact Sheet
```

3. Search by using Logical operators (AND, OR, NOT)

AND (Search for multiple words that are not necessarily consecutive)

E.g., `" AND "`

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: "bike" AND "car"
Searching for: "bike" AND "car"
16 total matching documents found.

Link to file: /home/Lucene/DataNews/rec.motorcycles_897.txt
Document_ID: 105139
From: thompson@apple.com (Paul Thompson)
Subject: Re: Back Breaker, Near Hit!!

Link to file: /home/Lucene/DataNews/rec.motorcycles_554.txt
Document_ID: 104708
From: arnie@magnus.acs.ohio-state.edu (Arnie Skurow)
Subject: Re: Solar battery chargers -- any good?
```

OR (Search for either terms)

E.g., "crypto" OR "car"

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: "crypto" OR "car"
Searching for: "crypto" OR "car"
50 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.crypt_437.txt
Document_ID: 15588
From: steview@helios.unl.edu (Steve Wu)
Subject: CRYPTO 93 FINAL CALL

Link to file: /home/Lucene/DataNews/sci.crypt_165.txt
Document_ID: 15309
From: jebright@magnus.acs.ohio-state.edu (James R Ebright)
Subject: Re: Secret algorithm [Re: Clipper Chip and crypto key-escrow]
```

NOT (Search for one term but not the other)

E.g., "digital" NOT "communications"

```

Press enter with no input to quit.
If field is blank, there is no data for it.
Query: digital NOT communications
Searching for: digital NOT communications
50 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.electronics_1106.txt
Document_ID: 53509
From: rky57514@uxa.cso.uiuc.edu (Tall Cool One )
Subject: Can I use a CD4052 analog multiplexer for digital signals?

Link to file: /home/Lucene/DataNews/sci.electronics_857.txt
Document_ID: 54256
From: ruhtra@turing.toronto.edu (Arthur Tateishi)
Subject: Features for answering machines(esp. digital)

```

4. Search by field (from_, doc_id, subj)

From field (Search the "From" field)

E.g., from_: "Amanda"

```

Press enter with no input to quit.
If field is blank, there is no data for it.
Query: from_: "Arthur"
Searching for: from_: "Arthur"
22 total matching documents found.

Link to file: /home/Lucene/DataNews/comp.graphics_1495.txt
Document_ID:
From: arthur@qedbbs.com (Arthur Choung)
Subject:

Link to file: /home/Lucene/DataNews/comp.graphics_3095.txt
Document_ID:
From: arthur@qedbbs.com (Arthur Choung)
Subject:

Link to file: /home/Lucene/DataNews/rec.sport.hockey_383.txt
Document_ID: 53783
From: adavis@mcl.bdm.com (Arthur Davis)
Subject: Re: Ron Francis

```

Document_id field (Search the document_id)

E.g., doc_id: "12345"

```

Press enter with no input to quit.
If field is blank, there is no data for it.
Query: doc_id: 15729
Searching for: doc_id: 15729
1 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.crypt_1569.txt
Document_ID: 15729
From: a_rubin@dsg4.dse.beckman.com (Arthur Rubin)
Subject: Re: freely distributable public key cryptography c++ code: where?

```

Subject field (Search the subject field)

E.g., subj: "video card drivers"

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: subj: "video card drivers"
Searching for: subj: "video card drivers"
4 total matching documents found.

Link to file: /home/Lucene/DataNews/comp.os.ms-windows.misc_846.txt
Document_ID: 9860
From: wongda@eecg.toronto.edu (Daniel Y.H. Wong)
Subject: Actix video card drivers for windows

Link to file: /home/Lucene/DataNews/comp.os.ms-windows.misc_1079.txt
Document_ID: 10095
From: penev@rockefeller.edu (Penio Penev)
Subject: Re: Actix video card drivers for windows
```

5. Search using wildcards

Word starts with

E.g, dep*

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: Mech*
Searching for: Mech*
50 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.med_1104.txt
Document_ID: 58577
From: Dan Wallach <dwallach@cs.berkeley.edu>
Subject: FAQ: Typing Injuries (1/4): Changes since last month [monthly posting]
```

Word with one unknown letter

E.g., b?d

```
Press enter with no input to quit.
If field is blank, there is no data for it.
Query: go?d
Searching for: go?d
50 total matching documents found.

Link to file: /home/Lucene/DataNews/sci.crypt_650.txt
Document_ID: 15801
From: jim@rand.org (Jim Gillogly)
Subject: Re: Ideas on Clipper
```