

(baumann and lydia) or
 or (danie
 Selec subject
 count ect_id
 where like 'L
 and d 1 Jul 2
 S

Using SQL: The Basics

Getty Vocabulary Program

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8 April 2009

- SQL uses Boolean logic that you are already familiar with
- Structured Query Language, called "sequel"

The screenshot shows a 'Subject Search' interface. The search criteria are:

- Search Type: KEYWORD
- Search Method: NEW SEARCH
- Search Text: baumann and (lydia or anna or daniel)
- Subject Count: 5000

 A callout box highlights the search query with the following points:

- Boolean operators **and**, **or**, **not**
- Plus the use of parentheses and other punctuation to place phrases in logical order

 The search results table shows:

Status	Mark	Preferred Name
NC		(baumann and lydia) or (baumann and anna) or (baumann and daniel)
NC		
NC		
IP		Jerichau-Baumann, Anna Ma Danish painter and writer, 1819-1881
IP		Jerichau-Baumann, Elisabet Danish painter and writer, 1819-1881

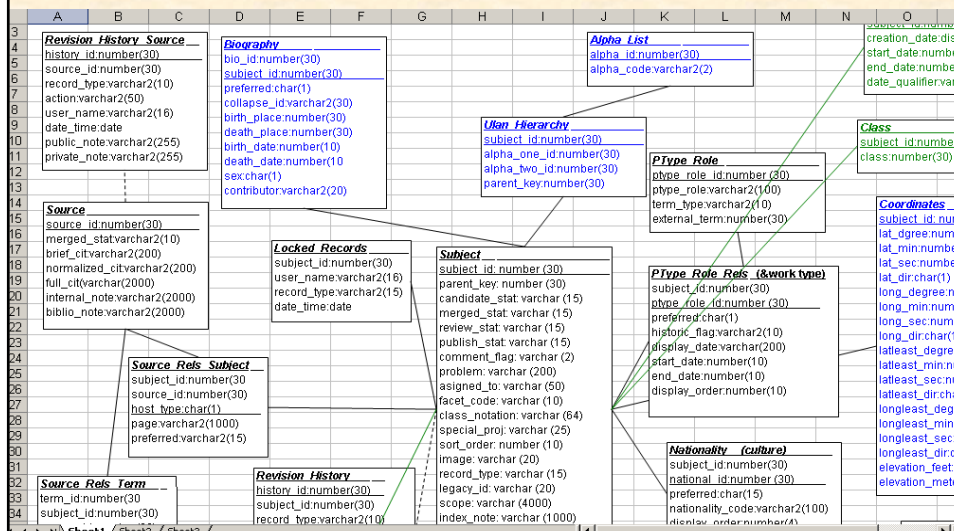
- SQL uses Boolean logic that you are already familiar with

baumann and (lydia or anna or daniel)

bauman% and (lydia or ann% or daniel)

(bauman% and (lydia or ann% or daniel))
or (bauer and (carl or karl or johan%))

- To create SQL queries, use Relational Tables Diagram
- Each field is a column in a table (here horizontal);
- (each instance is a row)
- The tables are linked (often using subject_id)
- Easiest queries are done within a single table



column table values in rows of columns equal
Select xxxx From xxxx Where xxxx

Get SQL
Save SQL

Select subject_id from revision_history
where user_name like 'PHARPRING'
and date_time > '8 Apr 2009'

Output Filename: C:\Program Files\VCS46\aattemp.TXT

Output Data:

Subject ID
900003965
900008057
900009966
900012855
900022755
900037173
900037181

Execute SQL Cancel

In VCS, “select” must always be a count or subject_id

Select xxxx From xxxx Where xxxx

Select subject_id from revision_history
where user_name like 'PHARPRING'
and date_time > '8 Apr 2009'

Select count subject_id from revision_history
where user_name like 'LOADER'
and date_time > '1 Jul 2008' **count**

Select count(distinct subject_id) from revision_history
where user_name like 'LOADER'
and date_time > '1 Jul 2008' **distinct**

In VCS, “select” must always be a count or subject_id

```
Select distinct subject_ID
from language_rels
where language_code like '70431'
or language_code like '70432'
```

What does this retrieve?

```
Select distinct subject_ID
from biography
where preferred like 'P'
and biography like '%&%'
```

What does this retrieve?

- If you need to search on two or more columns in different tables, you need a "join"

```
select count(distinct term.term_id)
from term,subject,language_rels
where language_rels.language_code not like '70051'
and subject.candidate_stat like 'N'
and term.subject_id=subject.subject_id
and term.subject_id=language_rels.subject_id
```

need table and column name

join the three tables using subject_id

Execute SQL

Cancel