

Microsoft Access window: first2014 : Database- G:\first2014.accdb (Access 2007 - 2013 file format) - Access

QUERY TOOLS DESIGN

Union, Pass-Through, Data Definition, Insert Rows, Delete Rows, Builder, Insert Columns, Delete Columns, Return: All, Property Sheet, Table Names

All Access Objects

- Tables: Student
- Queries: AND, Cmajors, OR, Query1

Query Type: AND

Student

- stuNo
- stuName
- major
- gpa
- numCr

AND relationship
The major must be "CI" and the gpa must be > 3.5 to see the record on the list.

Field:	stuNo	stuName	major	gpa	numCr				
Table:	Student	Student	Student	Student	Student				
Sort:									
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			"CI"	>3.5					
or:									

Form View

NUM LOCK 11:01 AM 2/4/2014

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Query: AND

stuNo	stuName	major	gpa	numCr
11111	Susan Costa	CI	3.75	34
22222	Amy French	CI	4	40
*	0		0	0

These are the records where the major is CI and the gpa is > 3.5

Record: 1 of 2 | No Filter | Search

Taskbar: 11:02 AM 2/4/2014

Microsoft Access Query Design View for an OR query. The design grid is as follows:

Field:	stuNo	stuName	major	gpa	numCr			
Table:	Student	Student	Student	Student	Student			
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			CI	>2.5				
or:								

Handwritten notes in blue text:

- OR relationship
- One of these two must be true. Either major must be CI or the gpa must be greater than 2.5

The screenshot shows the Microsoft Access interface in Design View for a query named 'Query1'. The 'Table Names' task pane on the left lists 'Student' as the data source. The design grid below shows the following configuration:

Field:	stuNo	stuName	major	gpa	numCr
Table:	Student	Student	Student	Student	Student
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			<CI	>3.5	>30
or:			<CI		

Handwritten blue annotations include a large circle around the 'major' and 'gpa' columns, and the text 'has to be true' and 'either' written across the grid.

In this case CI appears on the criteria line and the or line, so that means it has to be true. In addition either the gpa on the criteria line has to be true OR the numCr is greater than 30.

Essentially we are saying CI major and gpa > 3.5
OR
CI major and numCr > 30

The screenshot shows the Microsoft Access Query Design view for a query named 'Query1'. The design grid contains the following fields:

Field	stuNo	stuName	major	gpa	numCr
Table:	Student	Student	Student	Student	Student
Sort:					
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Criteria:			"CI"	>3.5	>30
or:			"CI"		

Handwritten annotations in blue ink include:

- A diamond labeled 'CI' connected to the 'major' field in the criteria row.
- A diamond labeled 'gpa > 3.5' connected to the 'gpa' field in the criteria row.
- A diamond labeled 'numCr > 30' connected to the 'numCr' field in the criteria row.
- Two diamond shapes labeled 'display' connected to the 'gpa' and 'numCr' fields in the criteria row.
- Handwritten 'N' and 'Y' labels on the lines connecting the diamonds to the fields.
- A circle at the bottom of the diagram, connected to the 'numCr' field.

This shows that there are two ways things can show on the report
We check for topic = XHTML and yearPub > 2007
OR
publisher = "Course Technology"

Field:	isbn	title	topic	publisher	yearPub				
Table:	book	book	book	book	book				
Sort:									
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			"XHTML"						
or:				"Course Technology"	>2007				

Meets:
Major must be CI and either gpa > 3.5 or numCr > 30
ConditionA must be true and either ConditionB or ConditionC must be true

Field:	stuNo	stuName	major	gpa	numCr				
Table:	Student	Student	Student	Student	Student				
Sort:									
Show:	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Criteria:			"CI"	>3.5	>30				
or:			"CI"						