

Basic Aeries Query

QUERY TIPS

1. Get a clear picture of what data is needed and the order that it should be sorted. If this data is a request, getting it in writing can be helpful.
2. Identify the tables needed.
3. Contemplate whether the query will be easier preceded with **KEEP** or **SKIP** statement.
4. What is the most logical order in which to place the fields?
5. How should the data be sorted?
6. Do I want to pass the data on to another application?
7. Do I need to teach someone else how to do this query?
Share the load and make life easier for yourself and more rewarding for others

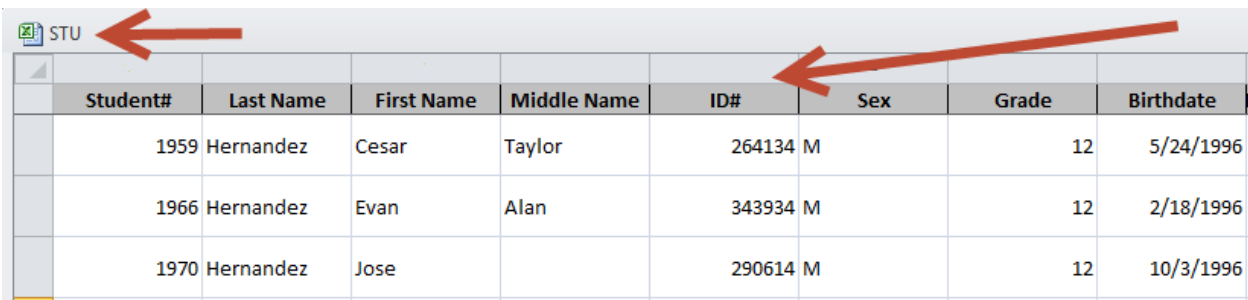
Aeries Query

All data entered into **Aeries** is stored within the Aeries database into fields and tables. The Aeries Query option enables you to access data stored in these tables/fields. This process utilizes a 'Query Statement', which collects the data from within the database and returns information to the user based off of the data elements that are entered into the 'Query Statement'

Tables, Columns, Rows and Fields

A table is a set of data elements that is organized using a model of vertical columns and horizontal rows, the cell being the unit where a row and column intersect and where the data is stored.

In the visual, STU is the table name; Row 1 (highlighted Light Gray) represents the different fields in a table.

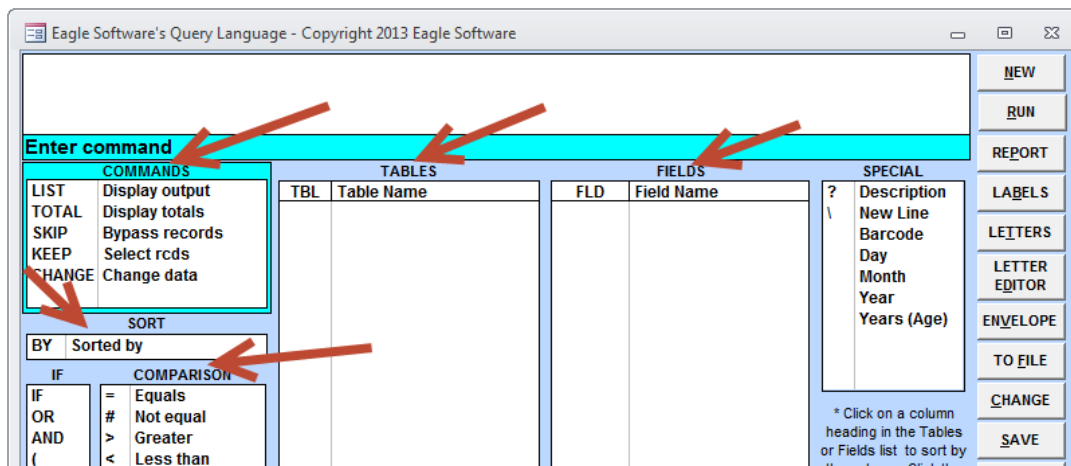


Student#	Last Name	First Name	Middle Name	ID#	Sex	Grade	Birthdate
1959	Hernandez	Cesar	Taylor	264134	M	12	5/24/1996
1966	Hernandez	Evan	Alan	343934	M	12	2/18/1996
1970	Hernandez	Jose		290614	M	12	10/3/1996

Accessing the Query form

Aeries Control Panel > Query Form

Text box, Commands, Sort, IF, Comparison, Tables, Fields, Special Characters, Inactive students check box. (*inactive students not included in query by default*)



Eagle Software's Query Language - Copyright 2013 Eagle Software

Enter command

COMMANDS

- LIST Display output
- TOTAL Display totals
- SKIP Bypass records
- KEEP Select rcds
- CHANGE Change data

TABLES

TBL	Table Name

FIELDS

FLD	Field Name

SPECIAL

- ? Description
- \ New Line
- Barcode
- Day
- Month
- Year
- Years (Age)

Sort

BY Sorted by

IF

COMPARISON

- = Equals
- # Not equal
- > Greater
- < Less than

Buttons: NEW, RUN, REPORT, LABELS, LETTERS, LETTER EDITOR, ENVELOPE, TO FILE, CHANGE, SAVE

* Click on a column heading in the Tables or Fields list to sort by

Query Commands

LIST - Query returns a list of data elements entered in the Query statement

TOTAL - Query that returns a count by category

SKIP - temporarily ignores students defined in the Query statement

KEEP - temporarily includes this group of student records

Building a Basic Query (LIST)

- **List Command** – Query returns a list of data elements entered in the Query statement
- In every query statement all data elements must be separated with a space
- All Tables display (*After hitting space*)
- Enter STU (*only related tables display after STU is part of the query*)
- Choose fields (STU.SN, STU.LN, STU.FN, STU.SX, STU.GR)
- **Run** Button to generate the Query results
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR
 - LIST STU
- **Sort Option** – BY (REV)
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR **BY** STU.GR
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR **BY** STU.GR **REV**
- **Conditionals** – IF, OR, AND
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR BY STU.GR **IF** STU.SX = F
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR **IF** STU.SX = F **AND** STU.GR = 5
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR **IF** STU.SX = F **AND** (STU.GR = 5 **OR** STU.GR = 6)
- **Comparison Logic** - =, #, <, >, :, ;, >=, <=
 - LIST STU STU.SN STU.LN STU.FN STU.SX STU.GR BY STU.GR **IF** STU.SX **=/#** F
 - LIST STU STU.SN STU.LN STU.FN STU.TL STU.GR BY STU.GR **IF** STU.TL **:/;** 426
 - LIST STU STU.SN STU.LN STU.FN STU. STU.GR **IF** STU.GR **>=/**<** 5**
- **Special Characters**
 - **?** – Displays the CODE Description as listed in COD tables.
 - LIST STU ECA GRG ACT ACT.CD? STU.NM STU.ID ACT.DT **IF** ACT.CD **>=** 1 **AND** ACT.DT **>=** 08/25/2013 **AND** GRG.YR = 2013
 - **NM** – displays full name in (LastName, FirstName) format
 - LIST STU STU.ID STU.NM STU.BD STU.GR **BY** STU.GR
 - **MI** – middle name stripped down to just middle initial
 - LIST STU STU.ID STU.LN STU.FN STU.MI STU.GR **BY** STU.GR
 - **.Years (age), .Day, .Month, .Year** (used in conjunction with STU.BD)
 - ***** (used with : for matching and ; for NOT matching)



Additional Information – Use the report ‘**Print Database Table Information**’ to get a list of all fields contained with a table. This can help you in knowing what information is available in any given table.

Building a Basic Query (SKIP)

- **SKIP Command** – temporarily ignores students defined in the Query statement
- Subsequent queries will not include these student records (applies to most Reports as well)
- Warning Message when records are skipped
- Query example:
 - SKIP STU IF STU.GR > 10; SKIP STU IF STU.GR > 4; SKIP STU if STU.GR = 5

Building a Basic Query (KEEP)

- **KEEP command** – temporarily includes this group of student records
- Subsequent queries will ONLY include these records (applies to most Reports as well)
- Warning message when records are skipped (Kept)
- Query Example:
 - KEEP STU IF STU.GR > 10; KEEP STU IF STU.GR > 4; KEEP STU if STU.GR = 5

Building a Basic Query (TOTAL)

- **TOTAL command** – Query that returns a count by category
 - TOTAL STU STU.GR BY STU.GR
 - TOTAL STU ADS DSP ADS.CD BY ADS.CD IF DSP.DD >= 8/25/2012 AND DSP.DD <= 06/13/2013 AND DSP.DS = SUS OR DSP.DS = EXP OR DSP.DS = SUS-R

Multiple Table Query

- Similar to single table queries, however only tables that are related can be used
- Only related tables are listed in the list of tables (after entering Table(s) in a Query Statement)
 - LIST STU
 - LIST STU IMM STU.ID STU.NM STU.GR STU.BD IMM.TB BY IMM.TB
- Related tables must appear in the correct order
 - STU → SEC → MST – STU is related to SEC; and SEC is related to MST
 - STU → MST → SEC – Will not work since MST is not related to STU
 - LIST STU SEC MST TCH STU.ID STU.NM STU.GR TCH.TE SEC.SE TCH.TN BY TCH.TE IF MST.PD = 2 AND MST.SM = F AND TCH.TN = 28



Creating Reports from a Query

- Generate Query Results (**Run**)
- Close out Query Results
- Click **REPORT** button, type a Report Title, select spacing, page break, then click **OK**

Load/Save Queries

- Generate Query Results (Run)
- Close out Query Results
- Click the **Save** button, **type in the Query name** you want (be descriptive, others will see it)
- Access the saved Query with the **LOAD** button
- Queries can be sorted/filtered by
 - Query name, author, from other schools, 9-12 schools, by table, favorites
 - Favorites
- Select query from list, click **RUN**

Export Query to Text file (parentlink, etc)

- Generate the Query. Close Query Results.
- Click on **TO FILE** button
- Choose options, comma or tab delimited, field headings, enter path, name with TXT extension
- Then Click on the **Create** button
- This file can then be imported into other applications