



Intermediate Query

Session # 255



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Goals:

- Parts of Query
- Special Characters
- How to sort/filter
- Comparisons
- Totals
- Keep/Skip statements

Goals:



Query

Enter Command

COMMANDS

| | |
|--------|----------------|
| LIST | Display Output |
| TOTAL | Display Totals |
| SKIP | Bypass Records |
| KEEP | Select Records |
| CHANGE | Change Data |

SORT

| | |
|----|--------------|
| BY | Sort By |
| ^ | Reverse Sort |

FILTER

| | |
|----|-----|
| IF | |
| OR | AND |
| (|) |

COMPARISON

| | |
|----|------------------|
| = | Equals |
| # | Not Equal |
| > | Greater Than |
| >= | Greater or Equal |
| < | Less Than |
| <= | Less or Equal |
| : | Contains |
| ; | Not Contains |

TABLES

| | |
|-----|--|
| STU | Student Data |
| ABS | Absence Codes |
| ACA | Alternate Course Request Association |
| ACL | Attendance Create Log |
| ACR | Alternate Course Requests |
| ACT | Activities and Awards |
| ADH | Address History |
| ADR | Name and Address |
| ADS | Assertive Discipline |
| AED | Adult Education |
| AEF | Adult Education Fields |
| AHC | Attendance History Codes |
| AHD | Attendance History Detail |
| AHS | Attendance History Summary |
| ANA | Attendance Notification Attendance Codes |
| ANC | Attendance Notification Configurations |
| ANL | Attendance Notification Log |
| ANS | Attendance Notification Schools |
| APC | Academic Plan Course Requests |
| APL | Academic Plan Log |
| ARC | At-Risk Configuration |
| ARI | Student At-Risk Indicators |
| ASL | Teacher Attendance Submission Log |
| ATA | Supp Att Assignments |
| ATC | Supp Att Calendar |
| ATD | Supp Att Data |
| ATI | Attendance Log |

FIELDS

SPECIAL

| | |
|---------|----------------------|
| ? | Description |
| STU.NM | Full Name |
| STU.MI | Middle Initial |
| \ | New Line |
| BARCODE | Barcode |
| .DAY | Day Value |
| .MONTH | Month Value |
| .YEAR | Year Value |
| .YEARS | # Years Ago (Age) |
| .VALUE | of an Extended Field |
| .LEVEL | of an Extended Field |

MATH

| | |
|----|---------------|
| ((| Start Math |
|)) | Stop Math |
| (| Open Parenth |
|) | Close Parenth |
| + | Add |
| - | Sub |
| * | Mult |
| / | Div |

Include Inactive Students

New

Run

Excel

Report

Labels

Letters

Letter Editor

Envelope

Change

Save

Load

Reset

Excel (old)

Show SQL

Db Defs

Recipe for a Query

COMMAND + TABLES(s) + FIELDS(s) + SORT + FILTER/COMPARISONS =
QUERY SENTENCE

Query Comparisons

| Field Code | Symbol Constant | |
|------------|-----------------|--------|
| GR | = | 10 |
| GN | = | "F" |
| GR | ≠ | 10 |
| GN | ≠ | "F" |
| GR | > | 10 |
| GR | >= | 10 |
| GR | < | 10 |
| GR | <= | 10 |
| AD | : | "WOOD" |
| AD | ; | "Ave" |

Empty text field " "

Empty date fields NULL

OK, What do I take next...

Session 260: Query Tools

Session 265: Multi Table Queries

Session 270: Advanced Query

Session 272: Flex Query

Queries used in this presentation:

LIST STU LN FN STU.NM STU.MI
LIST STU STU.NM HL
LIST STU STU.NM RC1
LIST STU STU.NM BD ADD THE .DAY, .MONTH, .YEAR, .YEARS (AGE)
LIST STU NM GR BY GR
LIST STU NM GR BY GR^
LIST STU SN LN FN GN GR BY GR GN
LIST STU SN LN FN GN GR BY GR ^ GN GR reverse sort with regular GN
LIST STU SN LN FN GR GN IF GR = 9
LIST STU NM IF LN < "k"
LIST STU SN LN FN PG TL HL IF HL = " " for blanks in HL
LIST STU FN LN GR GN if FN : "JOHN"
LIST STU LN FN GR ID IF ED = NULL ED = school enter date (OR DD DISTRICT ENTER DATE)
LIST STU FN LN GR GN IF FN: "JOHN" OR "JON"
Meeting 2 conditions.... Different ways to accomplish the same result
LIST STU LN FN SX GR IF GN = "f" AND GR = 10

LIST STU LN FN SX GR IF GN = "f" AND GR = 10 or GN = "f" AND GR = 11

LIST STU LN FN GN GR IF GN = "f" AND GR > 9 AND GR < 12

LIST STU IF LN FN GN GR IF GR = "f" AND (GR = 10 OR GR = 11)

Keep/Skip

KEEP STU IF GR = 10

KEEP STU IF LF = "L"
KEEP STU IF GR = 12 AND CU = 623
SKIP STU IF GR >=

Totals
TOTAL STU GR GN BY GR GN then by GN GR

TOTAL STU GR BY GR IF GR = 9 OR GR = 10

TOTAL STU CU GR BY CU GR

TOTAL STU GR GN RC1 BY GR GN RC1

Additional Queries

LIST TCH TN ID TE TT EM RM

LIST CRS CN CO NA S1 DE LO HI E1 IF GR > 9

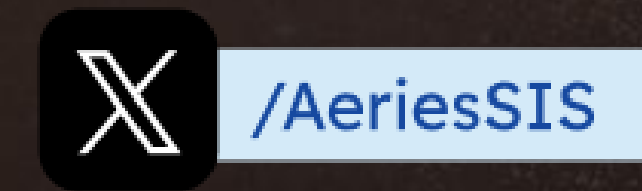
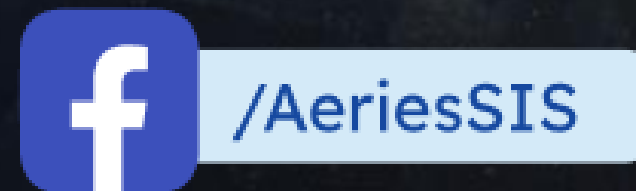
Key Takeaways:

- Use KEEP, SKIP and TOTAL statements
- Know where resources are located
- Understand the Special and Comparison sections of Query

THANK YOU!

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