



Making RORRULE Rule!!!!

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Pat Barton, Clayton College & State University

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Lamar C

3:10 p.m.

Session Rules of Etiquette

- Please hold all questions until the end of the session, unless you need clarity
- Please turn off your cell phone and/or pager
- If you must leave the session early, please do so as discreetly as possible
- Please avoid side conversation during the presentation

THANK YOU FOR YOUR COOPERATION!!!!

WELCOME!!

Bill Gates is hanging out with the chairman of General Motors.

“If automotive technology had kept pace with computer technology over the past few decades,” boasts Gates, “you would now be driving a V-32 instead of a V-8, and it would have a top speed of 10,000 miles per hour. Or, you could have an economy car that weighs 30 pounds and gets a thousand miles to a gallon of gas. In either case, the sticker price of a new car would be less than \$50.”

“Sure,” says GM chairman. “But would you really want to drive a car that crashes four times a day?”

Overview

RORRULE- Financial Aid Selection Rules Form

- **Rule Types:** Tracking, Budget, Packaging, Package Group Fund Awarding, Fund Awarding, Disbursement, SAP (GaMod)
- **Aid Year**
- **Group Codes:** Tracking, Budget, Packaging
- **Fund Code**

Overview, Continued

- Powerful Tool
 - Built in Help
 - Table, Column Name and Operator Look Up
 - Execute Group (Executes the rule)
 - View Students
 - View Errors (Help, Display Error)
 - Copy Rules
 - Compile Expert SQL Code

Overview, Continued

- Only limited by your imagination
 - Not just Financial Aid (Student, Admissions, AR)
 - Mock Rule- List of Students with No Show status
- Need some SQL knowledge
 - You may already know SQL (example Pop Sel)
 - You'll learn things you never knew you never knew
- Dynamic Rules Engine
 - Future of Banner Rules
- Let's cut to the chase

Examples



- Options
- Selection Criteria
- Compiled/Expert SQL Code
- Copy Selection Criteria
- Compile Rule
- Copy Fund
- Base SQL Example
- VIEW Students
- EXECUTE Group
- SAP Status Inquiry

Rule Type: Requirements Tracking Group
Aid Year: 0304 July 2003 - July 2004
Group Code: DEPVER Dependent Verified
Fund Code:

Selection Criteria	Operator	AND/OR
(' Table Name <input type="text"/> Column Name <input type="text"/> Value ')	<input type="text"/>	AND/OR
RCRAPP2_MODEL_CDE = 'D'	AND	
RCRAPP1_VERIFICATION_MSG = '1'	AND	
RCRAPP1_CURR_REC_IND = 'Y'		

Copy To

Intermediate Example

- Awarded and new ISIR loaded the date shown:

```
SELECT RCVAPPL_PIDM
FROM RCVAPPL, RPRAWRD, RCRAPP4, RCRESAR, RORSTAT
WHERE RCVAPPL_PIDM = RPRAWRD_PIDM(+)
AND RCVAPPL_PIDM = RCRAPP4_PIDM
AND RCRAPP4_PIDM = RCRESAR_PIDM
AND RCRAPP4_PIDM = RORSTAT_PIDM
AND RCVAPPL_AIDY_CODE = :AIDY
AND RPRAWRD_AIDY_CODE(+) = RCVAPPL_AIDY_CODE
AND RCVAPPL_AIDY_CODE = RCRAPP4_AIDY_CODE
AND RCRAPP4_AIDY_CODE = RCRESAR_AIDY_CODE
AND RCRESAR_AIDY_CODE = RORSTAT_AIDY_CODE
AND (RCRESAR_INFC_CODE = RCVAPPL_INFC_CODE
     AND RCRAPP4_INFC_CODE = RCVAPPL_INFC_CODE
     AND RCVAPPL_SEQ_NO = RCRAPP4_SEQ_NO
     AND RCRAPP4_SEQ_NO = RCRESAR_SEQ_NO)
AND (RCVAPPL_CURR_REC_IND = 'Y'
     AND RCVAPPL_CREATE_DATE >= '02-SEP-2003')
AND RORSTAT_PCKG_COMP_DATE IS NOT NULL
AND RCVAPPL_PIDM = :PIDM
```

Expert Example

- Budget Group Rule – Resident/Dependent

```
SELECT DISTINCT(RORSTAT_PIDM)
FROM RORSTAT, SGBSTDN, RCRAPP1, RCRAPP2
WHERE SGBSTDN_TERM_CODE_EFF = (SELECT MAX(SGBSTDN_TERM_CODE_EFF)
                                FROM SGBSTDN
                                WHERE SGBSTDN_LEVL_CODE = 'US'
                                AND SGBSTDN_PIDM = RORSTAT_PIDM)

AND SGBSTDN_RESD_CODE <> 'N'
AND RORSTAT_PIDM = RCRAPP1_PIDM
AND RCRAPP1_PIDM = RCRAPP2_PIDM
AND RCRAPP1_CURR_REC_IND = 'Y'
AND RCRAPP2_INFC_CODE = RCRAPP1_INFC_CODE
AND RCRAPP2_SEQ_NO = RCRAPP1_SEQ_NO
AND RCRAPP2_MODEL_CDE = 'D'
AND RCRAPP1_STAT_CODE_RES = 'GA'
AND RCRAPP1_PAR_STAT_CODE_RES = 'GA'
AND RCRAPP1_AIDY_CODE = RORSTAT_AIDY_CODE
AND RCRAPP2_AIDY_CODE = RCRAPP1_AIDY_CODE
AND RORSTAT_AIDY_CODE = :AIDY
AND RORSTAT_PIDM = SGBSTDN_PIDM
AND SGBSTDN_PIDM = :PIDM
```

TIPS

When using views, place them at the end of the RORRULE statements since they take longer to build. Performance is improved.

When referencing a column in RCRAPPx, it is not necessary to state `RCRAPP1_CURR_REC_IND = 'Y'` – the compiler will automatically add this statement when you commit and exit. (However, those who wish to include this statement for clarity should place it at the end of the statements.)

If you are using RCRAPP2, RCRAPP3, RCRAPP4 or RCRESAR in RORRULE, include the rule `RCRAPP1_CURR_REC_IND='Y'` as a rule on the form. To make it easier to see, place it as the LAST rule on the form. **Improves performance!**

TIPS, Continued

Before using Expert mode, build as much of the rule as possible in Simple mode and then compile it. Finish the rule in Expert mode. This approach takes advantage of the joins created by the compiler.

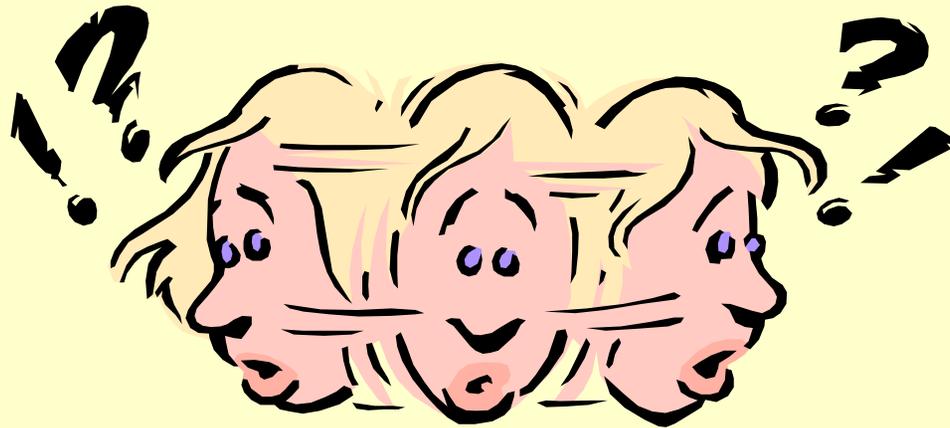
In Expert mode, have at least one space following :AIDY, :PIDM, and :TERM. A carriage return at the end of the line will not work correctly in the COBOL program although it will appear fine when the Execute command is used.

Your Turn

Summary

- Don't be afraid to try it
- If at first you don't succeed, try, try again
- Seek technical help when needed
- Be creative
- SQL is not a four letter word

Questions?



Additional information regarding RORRULE can be found in Chapters 7, 8, 9, & 10 in *Using SCT Banner Financial Aid Manual*

THANK YOU!!!!!!!!!!