

TABLE REPRESENTATION

acad_programs	program_status	acad_programs_ls	depts
acad_programs_id	acad_programs_id	acad_programs_id	depts_id
acpg_title	pos (index)	pos (index)	depts_division
acpg_start_date	acpg_status	acpg_types	depts_school
	acpg_status_date	acpg_depts	
	acpg_approval_id	acpg_catalogs	
		acpg_majors	
		acpg_minors	

USER WANTS order by depts_division, acpg_depts, acpg_status(1), acad_progams_id

Sorting on a row in a relation with multiples for a single acad_programs_id an issue

Tables and Data

acad_programs	acad_programs	program_status	program_status	acad_programs_ls	acad_programs_ls
acad_programs_id	AA.CIS	acad_programs_id	AA.CIS	acad_programs_id	AA.CIS
acpg_title	Comp Info Sys	pos	1	pos	1
acpg_start_date	2017/01/15	acpg_status	A	acpg_types	LEC
		acpg_status_date	2015/01/10	acpg_depts	ENGG
		acpg_approval_id	012345	acpg_catalogs	2015
		acad_programs_id	AA.CIS	acpg_majors	Computer science
		pos	2	acpg_minors	Info Systems
		acpg_status	P		
		acpg_status_date	2013/01/01	acad_programs_id	AA.CIS
		acpg_approval_id	012345	pos	2
				acpg_types	LAB
				acpg_depts	NULL
				acpg_catalogs	2016
				acpg_majors	NULL
				acpg_minors	NULL

depts	depts
depts_id	ENGG
depts_division	CC
depts_school	TC

acad_programs_id	AA.CIS
pos	3
acpg_types	NULL
acpg_depts	NULL
acpg_catalogs	2017
acpg_majors	NULL
acpg_minors	NULL

acad_programs_id	AA.ACCT	acad_programs_id	AA.ACCT	acad_programs_id	AA.ACCT
acpg_title	Accounting	pos	1	pos	1
acpg_start_date	2017/01/15	acpg_status	A	acpg_types	LEC
		acpg_status_date	2015/01/10	acpg_depts	BUS
		acpg_approval_id	012345	acpg_catalogs	2015
				acpg_majors	Accounting
				acpg_minors	NULL
				pos	2
				acpg_types	NULL
				acpg_depts	NULL
				acpg_catalogs	2016
				acpg_majors	NULL
				acpg_minors	NULL

depts_id	BUS
depts_division	BC
depts_school	TC

User wants finished report to look like this

acad_programs_id	acpg_status	acpg_status_date	acpg_types	acpg_catalogs	acpg_depts	depts_division	depts_school	acpg_majors	acpg_minors
AA.CIS	A	2015/01/10	LEC	2015	ENGG	CC	TC	Computer science	Info Systems
	P	2013/01/01	LAB	2016	ELEC	EE	TC		
				2017					
AA.ACCT	A	2015/01/10	LEC	2015	BUS	BC	TC	Accounting	
				2016					

BUT IT'S DOING THIS, AND LOOKS WORSE WHEN THERE ARE MULTIPLE ACPG_DEPTS FOR AN ACAD_PROGRAM

acad_programs_id	acpg_status	acpg_status_date	acpg_types	acpg_catalogs	acpg_depts	depts_division	depts_school	acpg_majors	acpg_minors
AA.CIS	A	2015/01/10	LEC	2015	ENGG	CC	TC	Computer science	Info Systems
	A	2015/01/10		2016					
	A	2015/01/10		2017					
	P	2013/01/01	LAB	2015	ELEC	EE	TC		
	P	2013/01/01		2016					
	P	2013/01/01		2017					
				2017					
AA.ACCT	A	2015/01/10	LEC	2015	BUS	BC	TC	Accounting	
				2016					