

Data Modification 1 - Delete all non market activities longer than 8 hours

Used relations: activity, panel, shows

This statement checks the activity table for any activities longer than 8 hours (excluding the markets) and deletes them from the activity table.

activity

Properties Data ER Diagram cs421 Group cs421 Schemas cs421g45 Tables

activity Enter a SQL expression to filter results (use Ctrl+Space)

	123 expatt	123 agelim	actname	123 reqstaff	duration
1	50	[NULL]	Dance Dance Evolution	3	01:00:00
2	40	19	Power Hour	2	01:00:00
3	20	19	Drunk Sword Fights	5	00:45:00
4	50	21	Rental Mario-Kart	2	01:30:00
5	100	[NULL]	Auction House	8	08:00:00
6	60	[NULL]	Informative Talks on Technical Topics	4	00:40:00
7	30	[NULL]	Engineering Diversity in Montreal	3	00:30:00
8	50	[NULL]	Ethical Artificial Intelligence Workshop	4	01:00:00
9	100	[NULL]	Management in Analytics	5	00:30:00
10	70	[NULL]	Participatory Development and Global Warming	4	00:30:00
11	25	[NULL]	Deep Exploration via Randomized Value Functions	3	00:30:00
12	45	18	Marriage and Parenting	4	00:30:00
13	50	[NULL]	Conservative Energy	3	00:30:00
14	45	15	Television Crime Drama	4	00:30:00
15	100	[NULL]	Narrative of Nelson Mandela	5	00:30:00
16	70	[NULL]	The Nomination Game	4	00:30:00
17	25	[NULL]	Atlantic Comic	3	00:30:00
18	25	[NULL]	Ponography Effects on Children	3	00:30:00
19	1,000	[NULL]	Dealers Room	15	12:00:00
20	40	[NULL]	Cafe	4	12:00:00
21	40	[NULL]	Fun time with weapons	7	10:00:00

Statistics

delete from activity where actname in (select actname from panel where duration > '08:00') union select actname from shows where duration > '08:00')

Name Value

Updated Rows 1

Query delete from activity where actname in (select actname from panel where duration > '08:00') union select actname from shows where duration > '08:00')

Finish time Thu Mar 01 22:39:16 EST 2018

activity Enter a SQL expression to filter results (use Ctrl+Space)

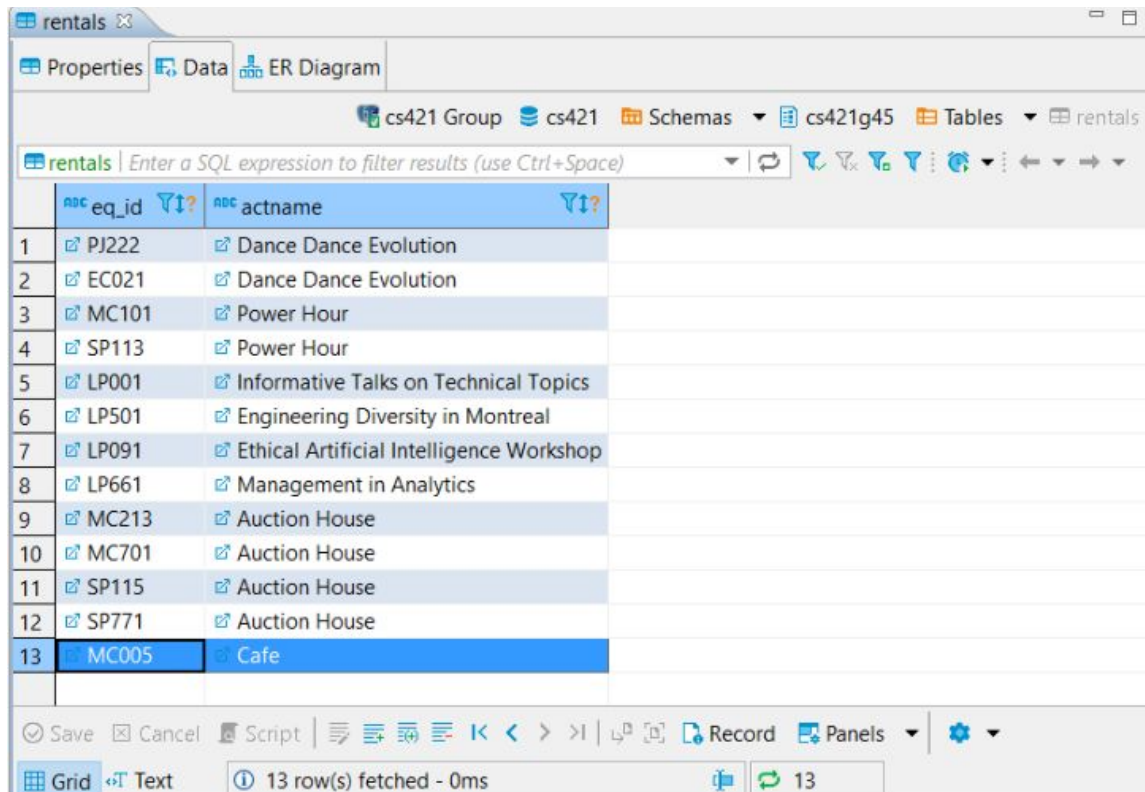
	123 expatt	123 agelim	actname	123 reqstaff	duration
1	50	[NULL]	Dance Dance Evolution	3	01:00:00
2	40	19	Power Hour	2	01:00:00
3	20	19	Drunk Sword Fights	5	00:45:00
4	50	21	Rental Mario-Kart	2	01:30:00
5	100	[NULL]	Auction House	8	08:00:00
6	60	[NULL]	Informative Talks on Technical Topics	4	00:40:00
7	30	[NULL]	Engineering Diversity in Montreal	3	00:30:00
8	50	[NULL]	Ethical Artificial Intelligence Workshop	4	01:00:00
9	100	[NULL]	Management in Analytics	5	00:30:00
10	70	[NULL]	Participatory Development and Global Warn	4	00:30:00
11	25	[NULL]	Deep Exploration via Randomized Value Fur	3	00:30:00
12	45	18	Marriage and Parenting	4	00:30:00
13	50	[NULL]	Conservative Energy	3	00:30:00
14	45	15	Television Crime Drama	4	00:30:00
15	100	[NULL]	Narrative of Nelson Mandela	5	00:30:00
16	70	[NULL]	The Nomination Game	4	00:30:00
17	25	[NULL]	Atlantic Comic	3	00:30:00
18	25	[NULL]	Ponography Effects on Children	3	00:30:00
19	1,000	[NULL]	Dealers Room	15	12:00:00
20	40	[NULL]	Cafe	4	12:00:00

Save Cancel Script K < > | Record Panels Grid Text 20 row(s) fetched - 0ms 20

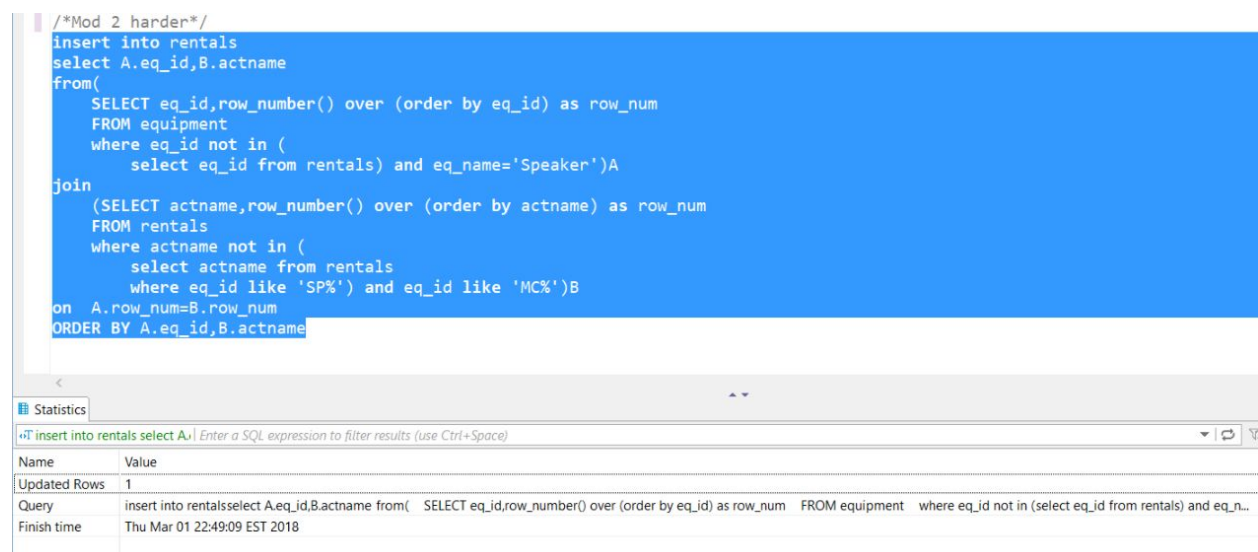
Data Modification 2 - Assign a speaker to all activities with a microphone

Used relations: rentals, equipment

This modification assigns speakers to activities with microphones. It does this by finding activities with microphones in the rentals table, finding microphones that haven't been assigned in the equipment table, joining the two results together and inserting the new tuples into the rentals tables



	eq_id	actname
1	PJ222	Dance Dance Evolution
2	EC021	Dance Dance Evolution
3	MC101	Power Hour
4	SP113	Power Hour
5	LP001	Informative Talks on Technical Topics
6	LP501	Engineering Diversity in Montreal
7	LP091	Ethical Artificial Intelligence Workshop
8	LP661	Management in Analytics
9	MC213	Auction House
10	MC701	Auction House
11	SP115	Auction House
12	SP771	Auction House
13	MC005	Cafe



```
/*Mod 2 harder*/
insert into rentals
select A.eq_id,B.actname
from(
    SELECT eq_id,row_number() over (order by eq_id) as row_num
    FROM equipment
    where eq_id not in (
        select eq_id from rentals) and eq_name='Speaker')A
join
(SELECT actname,row_number() over (order by actname) as row_num
FROM rentals
where actname not in (
    select actname from rentals
    where eq_id like 'SP%') and eq_id like 'MC%')B
on A.row_num=B.row_num
ORDER BY A.eq_id,B.actname
```

Name	Value
Updated Rows	1
Query	insert into rentalsselect A.eq_id,B.actname from(SELECT eq_id,row_number() over (order by eq_id) as row_num FROM equipment where eq_id not in (select eq_id from rentals) and eq_n...
Finish time	Thu Mar 01 22:49:09 EST 2018

rentals		
Properties Data ER Diagram		
cs421 Group cs421 Schemas cs421g45 Tables rentals		
rentals Enter a SQL expression to filter results (use Ctrl+Space)		
	eq_id	actname
1	PJ222	Dance Dance Evolution
2	EC021	Dance Dance Evolution
3	MC101	Power Hour
4	SP113	Power Hour
5	LP001	Informative Talks on Technical Topics
6	LP501	Engineering Diversity in Montreal
7	LP091	Ethical Artificial Intelligence Workshop
8	LP661	Management in Analytics
9	MC213	Auction House
10	MC701	Auction House
11	SP115	Auction House
12	SP771	Auction House
13	MC005	Cafe
14	SP001	Cafe

Save Cancel Script 14 row(s) fetched - 0ms 14

Data Modification 3 - Update the Sponsor contribution to the sum of funding

Used relations: sponsor, sponsorships

This modification updates a specific sponsor so that his total contribution is exactly equal to the sum of their funding for individual activities. It does this by calculating the sum of funding for a specific sponsor in the sponsorships table and updating the contribution to that value in the sponsor table

sponsor	
select * from sponsor where sname='MicroHard'	
sname	contrib
MicroHard	5000

```

/*Mod 3*/

select * from sponsor
where sname='MicroHard'

update sponsor
set contrib= (
select SUM(amount)
from sponsorships
group by sname
having sname='MicroHard'
) where sname='MicroHard'

select * from sponsor
where sname='MicroHard'

```

<
 sponsor
Statistics - 2

<T update sponsor set contrib= (select SUM(amount) from Enter a SQL expression to filter results (use Ctrl+Space)

Name	Value
Updated Rows	1
Query	update sponsor set contrib= (select SUM(amount) from sponsorships group by sname having sname='MicroHard') where sname='MicroHard'
Finish time	Thu Mar 01 22:21:39 EST 2018

<T select * from sponsor where sname='MicroHard'

sname	contrib
MicroHard	1000

Data Modification 4 - Remove all of a guests activities from the schedule

Used relations: schedule, performers, speakers

This modification deletes a specific guest's activities from the schedule table but only if they are the only guest registered for that activity. It does this by selecting the activities that have only one performer or only one speaker (the markets are excluded because they always have multiple guests) and joining that result with the guest's activities. These activities are then removed for the schedule

schedule						
Enter a SQL expression to filter results (use Ctrl+Space)						
123 sid	roomno	sdate	actname	actstart	actend	
65	16	2018-04-15	Dealers Room	14:00:00	15:00:00	
66	3	2018-04-15	Dealers Room	14:00:00	15:00:00	
67	172	2018-04-15	Dealers Room	14:00:00	15:00:00	
68	712	2018-04-15	Dealers Room	14:00:00	15:00:00	
69	664	2018-04-15	Dealers Room	14:00:00	15:00:00	
70	511	2018-04-15	Dealers Room	14:00:00	15:00:00	
71	324	2018-04-15	Dealers Room	14:00:00	15:00:00	
72	266	2018-04-15	Dealers Room	14:00:00	15:00:00	
73	710	2018-04-13	Dealers Room	08:00:00	20:00:00	
74	23	2018-04-15	Deep Exploration via Randomized Value Functions	14:00:00	15:00:00	
75	752	2018-04-15	Deep Exploration via Randomized Value Functions	14:00:00	15:00:00	
76	394	2018-04-15	Deep Exploration via Randomized Value Functions	14:00:00	15:00:00	
77	896	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00	11:00:00	
78	953	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00	11:00:00	
79	165	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00	11:00:00	
80	153	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00	11:00:00	
81	874	2018-04-14	Management in Analytics	10:30:00	11:30:00	
82	503	2018-04-14	Management in Analytics	10:30:00	11:30:00	
83	183	2018-04-14	Management in Analytics	10:30:00	11:30:00	
84	672	2018-04-14	Management in Analytics	10:30:00	11:30:00	
85	144	2018-04-14	Management in Analytics	10:30:00	11:30:00	
86	226	2018-04-15	Power Hour	14:00:00	15:00:00	
87	716	2018-04-15	Power Hour	14:00:00	15:00:00	
88	398	2018-04-13	Rental Mario-Kart	08:00:00	09:30:00	
89	398	2018-04-15	Rental Mario-Kart	08:00:00	09:30:00	
90	432	2018-04-13	Rental Mario-Kart	08:00:00	09:30:00	
91	432	2018-04-15	Rental Mario-Kart	08:00:00	09:30:00	

Statistics	
Name	Value
Updated Rows	2
Query	delete from schedule where actname in (select schedule.actname from scheduleinner join (select * from performerswhere actname not in (select actnamefrom performersgroup by actnamehaving count(actna...
Finish time	Thu Mar 01 23:00:30 EST 2018

schedule						
Enter a SQL expression to filter results (use Ctrl+Space)						
123 sid	roomno	sdate	actname	actstart	actend	
74	23	2018-04-15	Deep Exploration via Randomized Value F	14:00:00		
75	752	2018-04-15	Deep Exploration via Randomized Value F	14:00:00		
76	394	2018-04-15	Deep Exploration via Randomized Value F	14:00:00		
77	896	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00		
78	953	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00		
79	165	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00		
80	153	2018-04-14	Ethical Artificial Intelligence Workshop	10:00:00		
81	874	2018-04-14	Management in Analytics	10:30:00		
82	503	2018-04-14	Management in Analytics	10:30:00		
83	183	2018-04-14	Management in Analytics	10:30:00		
84	672	2018-04-14	Management in Analytics	10:30:00		
85	144	2018-04-14	Management in Analytics	10:30:00		
86	398	2018-04-13	Rental Mario-Kart	08:00:00		
87	398	2018-04-15	Rental Mario-Kart	08:00:00		
88	432	2018-04-13	Rental Mario-Kart	08:00:00		
89	432	2018-04-15	Rental Mario-Kart	08:00:00		