

Kun Shan

Worksheet Query Builder

```
-- 1
select NAME,stars from RESTAURANT
left outer join
(select RID,max(STARS) stars from RATING group by RID) R
on RESTAURANT.RID = R.RID
where stars is not null
order by NAME;
```

Query R... x

SQL | All Rows Fetched: 6 in 0.04 seconds

NAME	STARS
1 Cumin	2
2 India House Restaurant	4
3 Jade Court	4
4 MingHin Cuisine	5
5 Rangoli	3
6 Shanghai Terrace	5

SQL History

SQL	Connect...	TimeSt...	Type	Executed	Duratio...
select NAME,stars from RESTAURANT left outer j...	CSC453	16-JAN-...	SQL	1	0.04
select FNAME, LNAME, ADDRESS from EMPLOYEE w...	CSC453	16-JAN-...	SQL	1	0.027
select FNAME, LNAME from EMPLOYEE where SALA...	CSC453	16-JAN-...	SQL	1	0.014
select count(*) from EMPLOYEE where SEX='M' and...	CSC453	16-JAN-...	SQL	1	0.11
select DNAME,emps,dpts from (select DNO,DNAME...	CSC453	16-JAN-...	SQL	1	0.029
select FNAME,LNAME from EMPLOYEE where DN...	CSC453	16-JAN-...	SQL	1	0.025

Worksheet Query Builder

```
-- 2
select NAME, diff rating_spread from RESTAURANT
left outer join
(select RID,max(STARS)-min(STARS) diff from RATING group by RID) R
on RESTAURANT.RID = R.RID
where diff is not null
order by diff desc,NAME;
```

```
-- 3
select max(avgI) - max(avgC) diff
from (select avg(avgIs) avgI
```

Query Result x

SQL | All Rows Fetched: 6 in 0.423 seconds

NAME	RATING_SPREAD
1 India House Restaurant	2
2 Jade Court	2
3 Shanghai Terrace	2
4 MingHin Cuisine	1
5 Rangoli	1
6 Cumin	0

SQL History

SQL	Connect...	TimeSt...	Type	Executed	Duratio...
select NAME, diff rating_spread from RESTAURAN...	CSC453	16-JAN-...	SQL	1	0.423
select NAME,stars from RESTAURANT left outer j...	CSC453	16-JAN-...	SQL	1	0.04
select FNAME, LNAME, ADDRESS from EMPLOYEE w...	CSC453	16-JAN-...	SQL	1	0.027
select FNAME, LNAME from EMPLOYEE where SALA...	CSC453	16-JAN-...	SQL	1	0.014
select count(*) from EMPLOYEE where SEX='M' and...	CSC453	16-JAN-...	SQL	1	0.11
select DNAME,emps,dpts from (select DNO,DNAME...	CSC453	16-JAN-...	SQL	1	0.029

Worksheet

Query Builder

```

-- 4
select * from
(select VID from RATING
 left outer join RESTAURANT on RATING.RID = RESTAURANT.RID
where CUISINE = 'Chinese')
intersect
(select VID from RATING
 left outer join RESTAURANT on RATING.RID = RESTAURANT.RID
where CUISINE = 'Indian')
-- YES

```

Query Result

SQL

All Rows Fetched: 2 in 0.02 seconds

	VID
1	2003
2	2005

SQL History

SQL	Connect...	TimeSt...	Type	Executed	Duratio...
select * from (select VID from RATING left out...	CSC453	16-JAN-...	SQL	2	0.02
select max(avgI) - max(avgC) diff from (select avg...	CSC453	16-JAN-...	SQL	1	0.024
select NAME, diff rating_spread from RESTAURAN...	CSC453	16-JAN-...	SQL	1	0.423
select NAME,stars from RESTAURANT left outer j...	CSC453	16-JAN-...	SQL	1	0.04
select FNAME, LNAME, ADDRESS from EMPLOYEE w...	CSC453	16-JAN-...	SQL	1	0.027
select FNAME, LNAME from EMPLOYEE where SALA...	CSC453	16-JAN-...	SQL	1	0.014