1. [1pt] Find the name of all restaurants offering Indian cuisine

```
select *
from restaurant
where CUISINE='Indian'
```

Script Output × Query Result ×

SQL | All Rows Fetched: 4 in 0.016 seconds

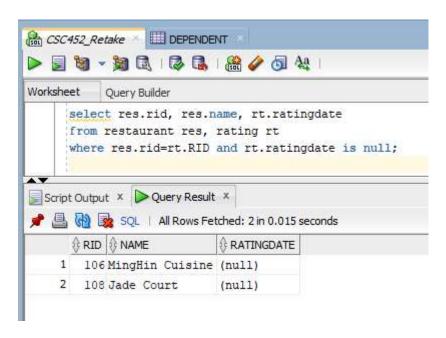|	RID	NAME	ADDRESS	CUISINE
1	101	India House Restaurant	59 W Grand Ave Chicago, IL 60654	Indian
2	102	Bombay Wraps	122 N Wells St Chicago, IL 60606	Indian
3	103	Rangoli	2421 W North Ave Chicago, IL 60647	Indian
4	104	Cumin	1414 N Milwaukee Ave Chicago, IL 60622	Indian

2. [2pt] Find restaurant names that received a rating of 4 or 5, sort them in increasing order.

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```
select res.name, rt.stars
from restaurant res, rating rt
where rt.rid = res.RID
group by res.name, rt.stars
having rt.stars=5 or rt.stars=4
order by rt.stars ASC;
```

Script Output × Query Result ×

SQL | All Rows Fetched: 5 in 0.023 seconds

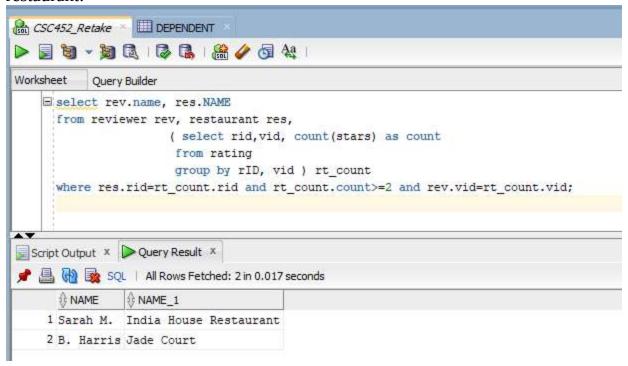|	NAME	STARS
1	India House Restaurant	4
2	Jade Court	4
3	MingHin Cuisine	4
4	MingHin Cuisine	5
5	Shanghai Terrace	5

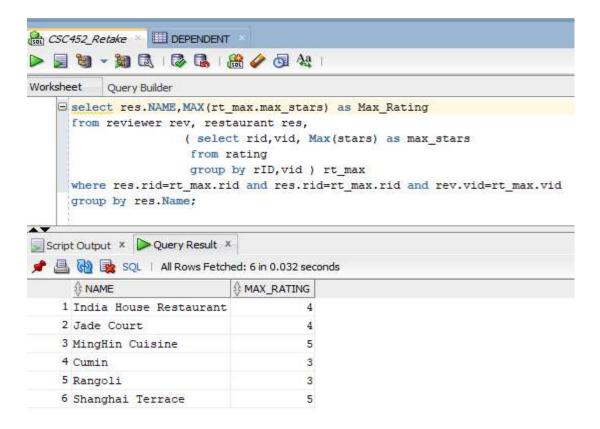3. [2pt] Find the names of all restaurants that have no rating.

4. [2pt] Some reviewers didn't provide a date with their rating. Find the names of all reviewers who have ratings with a NULL value for the date.

5. [4pt] For all cases where the same reviewer rated the same restaurant twice and gave it a higher rating the second time, return the reviewer's name and the name of the restaurant.

```
select rev.name, res.NAME
from reviewer rev, restaurant res,
            ( select rid,vid, count(stars) as count
              from rating
              group by rID, vid ) rt_count
where res.rid=rt_count.rid and rt_count.count>=2 and rev.vid=rt_count.vid;
```

Script Output × ► Query Result ×

SQL | All Rows Fetched: 2 in 0.017 seconds

NAME	NAME_1
1 Sarah M.	India House Restaurant
2 B. Harris	Jade Court

6. [4pt] For each restaurant that has at least one rating, find the highest number of stars that a restaurant received. Return the restaurant name and number of stars. Sort by restaurant name.

```
select res.NAME,MAX(rt_max.max_stars) as Max_Rating
from reviewer rev, restaurant res,
            ( select rid,vid, Max(stars) as max_stars
              from rating
              group by rID,vid ) rt_max
where res.rid=rt_max.rid and res.rid=rt_max.rid and rev.vid=rt_max.vid
group by res.Name;
```

Script Output × ► Query Result ×

SQL | All Rows Fetched: 6 in 0.032 seconds

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

7. [5pt] For each restaurant, return the name and the 'rating spread', that is, the difference between highest and lowest ratings given to that restaurant. Sort by rating spread from highest to lowest, then by restaurant name.

   No answer

8. [5pt] Find the difference between the average rating of Indian restaurants and the average rating of Chinese restaurants. (Make sure to calculate the average rating for each restaurant, then the average of those averages for Indian and Chinese restaurants. Don't just calculate the overall average rating for Indian and Chinese restaurants.)

   No answer