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388 -- Part 2 --
389 -- #1 Average price of foods at each restaurant --
390 * select r.name as restaurant_name, -- here I added a name for the r.name column that will be viewed
391        avg(f.price) as average_price -- find the average of the food price --
392 from restaurants r
393 inner join serves s on r.restid = s.restid -- inner join for the relation of serves and restaurants via the primary key --
394 inner join foods f on s.foodid = f.foodid -- inner join for foods and serves via primary key --
395 group by r.restid, r.name -- grouped the visual table by restid and name --
396 order by average_price desc; -- put the results from largest to smallest--
397

```

100% 75:396 2 errors found

Result Grid Filter Rows: Search

Export:

	restaurant_name	average_price	
<input type="checkbox"/>	La Trattoria	13.5	
<input type="checkbox"/>	Bistro Paris	13.5	
<input type="checkbox"/>	Indian Spice	13.5	
<input type="checkbox"/>	Sushi Haven	12	
<input type="checkbox"/>	Thai Delight	12	
<input type="checkbox"/>	Taco Town	9.5	

```

399 -- #2 Max food price at each restaurant --
400 -- Works by finding the max price from the foods entity, then ordering them from largest to smallest --
401 -- The inner join statements help to connect the restaurant entity to the food entity --
402 * select r.name as restaurant_name,
403        max(f.price) as max_price
404 from restaurants r
405 inner join serves s on r.restid = s.restid
406 inner join foods f on s.foodid = f.foodid
407 group by r.restid, r.name
408 order by max_price desc;
409

```



100% 1:409 2 errors found

Result Grid Filter Rows: Search Export:

	restaurant_name	max_price	
	Bistro Paris	18	
	La Trattoria	15	
	Indian Spice	15	
	Sushi Haven	14	
	Thai Delight	13	
	Taco Town	11	

```
410 -- #3 Count of different food types served at each restaurant --
411 -- Works by using the count statement to find out how many foods there are --
412 -- Then inner join statements connect restaurants and foods --
413 select r.name as restaurant_name,
414        count(f.foodid) as foods_served
415 from restaurants r
416 inner join serves s on r.restid = s.restid
417 inner join foods f on s.foodid = f.foodid
418 group by r.restid, r.name;
```

100% 1:419 2 errors found

Result Grid   Filter Rows: Export: 

	restaurant_name	foods_served	
<input type="checkbox"/>	La Trattoria	2	
<input type="checkbox"/>	Sushi Haven	2	
<input type="checkbox"/>	Taco Town	2	
<input type="checkbox"/>	Bistro Paris	2	
<input type="checkbox"/>	Thai Delight	2	
<input type="checkbox"/>	Indian Spice	2	

```

420 -- #4 Average price of foods served by each chef --
421 -- This query first finds the average price for the foods --
422 -- Then I used 4 inner join statements in order to connect the chefs entity to the foods entity making use of works and serves--
423 • select c.name as chef_name,
424        avg(f.price) as average_price
425 from chefs c
426 inner join works w on c.chefid = w.chefid
427 inner join restaurants r on r.restid = w.restid
428 inner join serves s on r.restid = s.restid
429 inner join foods f on f.foodid = s.foodid
430 group by c.chefid,c.name
431 order by average_price desc;

```

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Result Grid Filter Rows: Search Export:

	chef_name	average_price	
	Jane Smith	12.75	
	Robert Brown	12.75	
	Emily Davis	12.75	
	Michael Wilson	12.75	
	John Doe	11.5	
	Alice Johnson	11.5	

```
433 -- #5 Restaurant with the highest food price --
434 -- finds the max food price from the food entity --
435 -- inner join statements connect the restaurants to the foods --
436 -- to make it only 1 restaurant with the highest price I used the order by and limit statement --
437 • select r.name as restaurant_name,
438       max(f.price) as price
439 from restaurants r
440 inner join serves s on r.restid = s.restid
441 inner join foods f on s.foodid = f.foodid
442 group by r.restid, r.name
443 order by price desc
444 limit 1;
445
446
```

100%  1:445 | 2 errors found

Result Grid   Filter Rows:

Export:  Fetch rows: 

restaurant_name	price	
Bistro Paris	18	