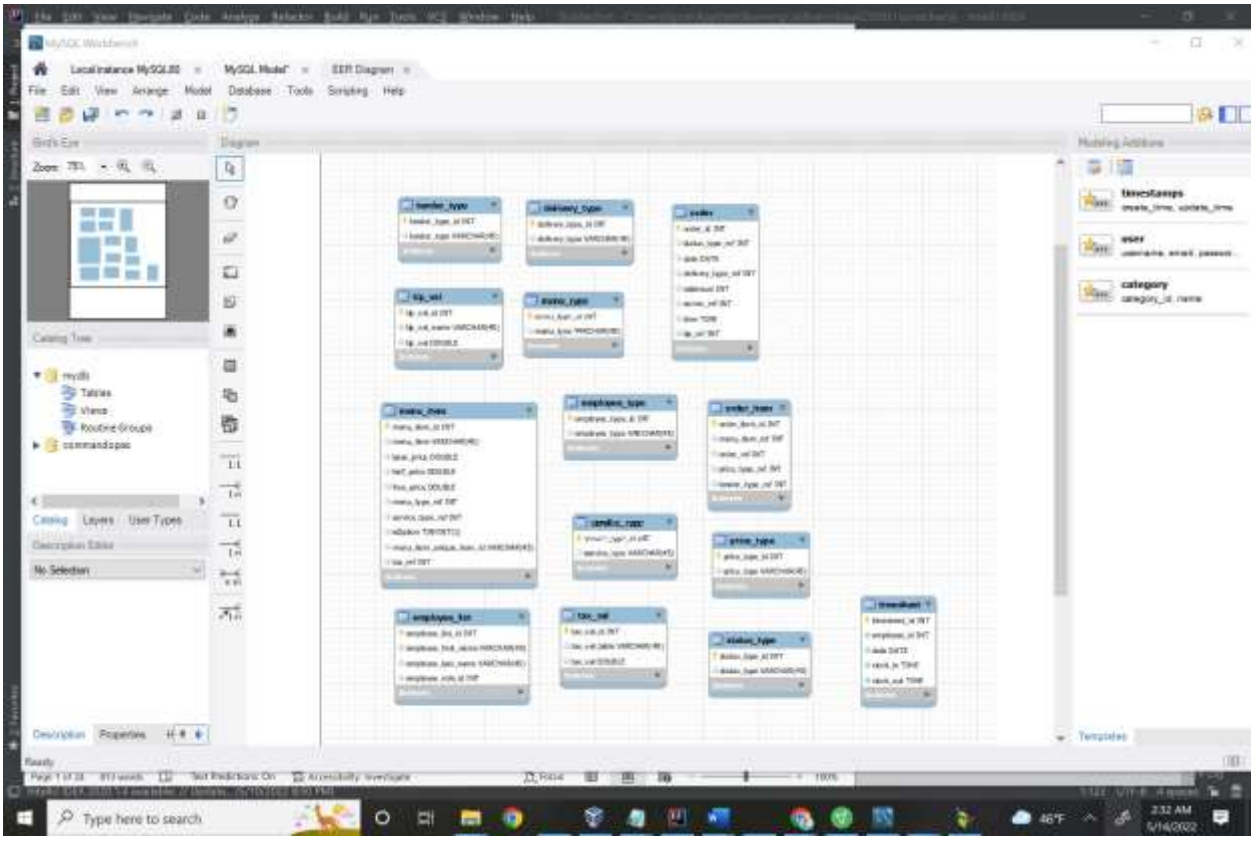
Ben Sottile

May 14/2022

CommandoughPOS Queries Code And Reverse Engineered Tables

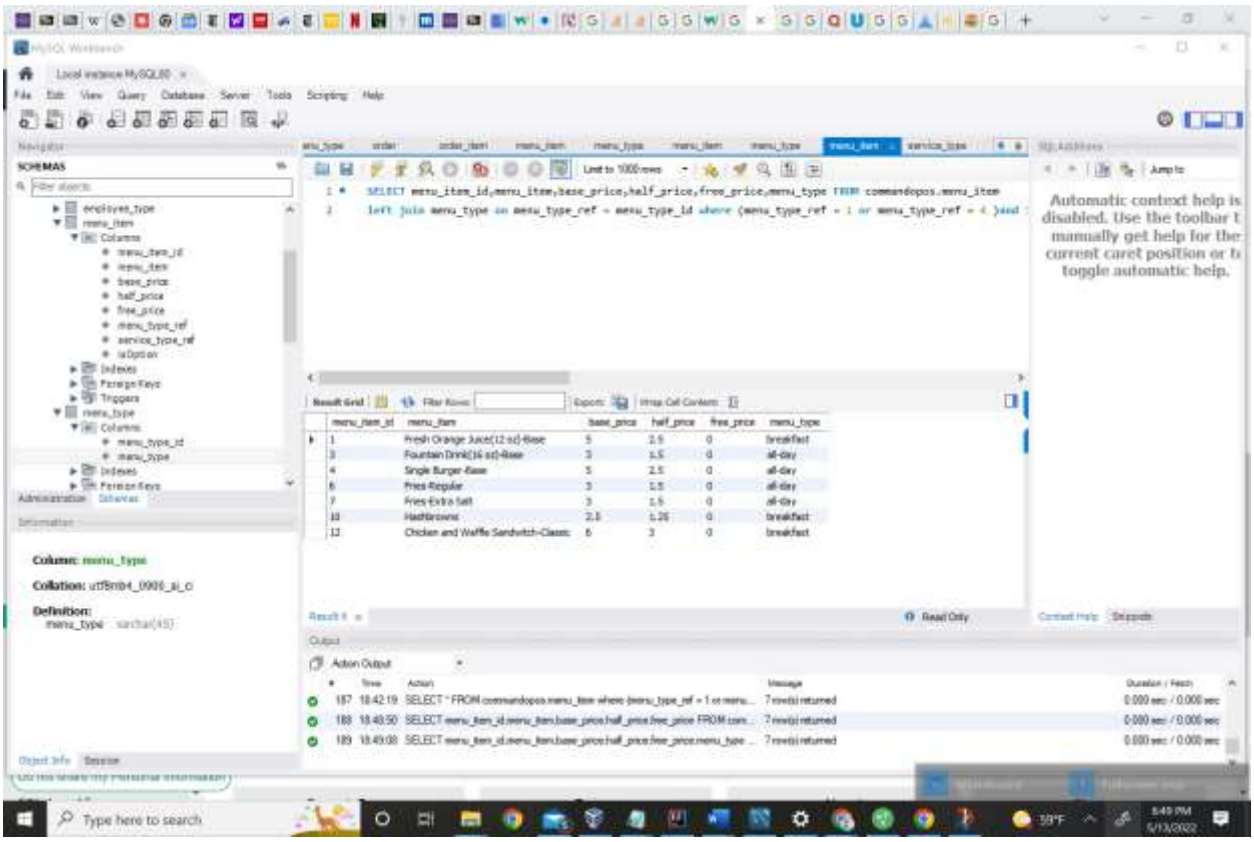


Queries for the following aspects of your database

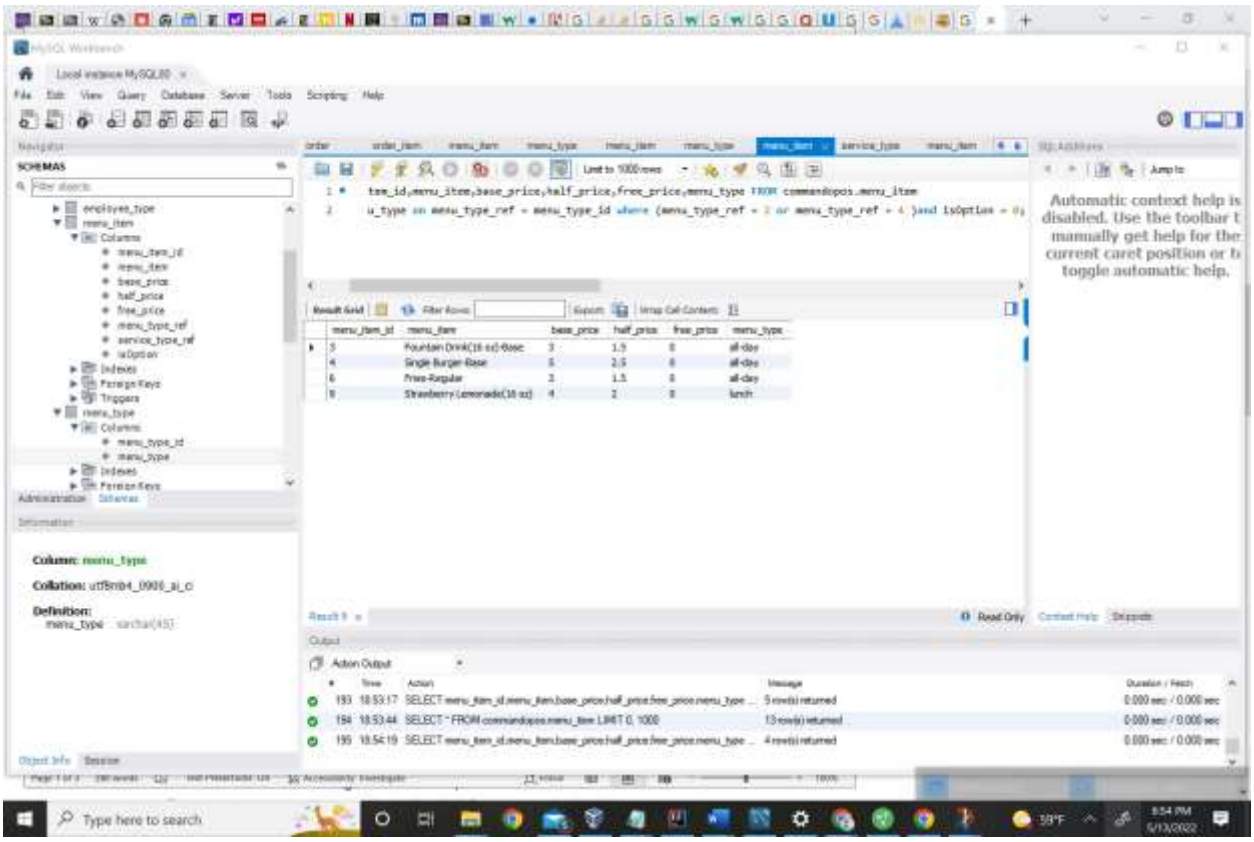
Make sure we can get to our menu items where it is organized by breakfast, lunch, or dinner

Query Items served for Breakfast

```
SELECT menu_item_id,menu_item,base_price,half_price,free_price,menu_type FROM
commandopos.menu_item
left join menu_type on menu_type_ref = menu_type_id where (menu_type_ref = 1 or
menu_type_ref = 4 )and isOption = 0;
```



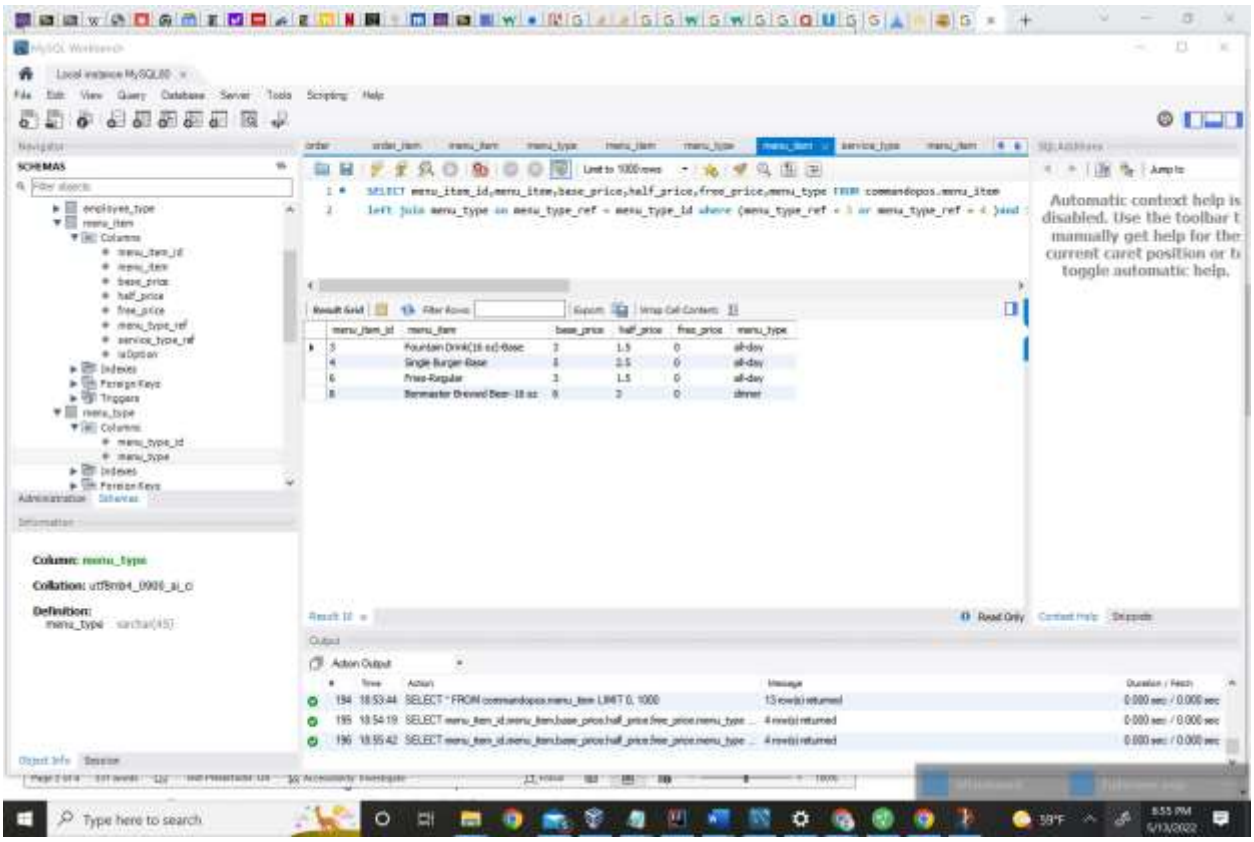
Query Items served for Lunch
SELECT menu_item_id,menu_item,base_price,half_price,free_price,menu_type FROM commandopos.menu_item
left join menu_type on menu_type_ref = menu_type_id where (menu_type_ref = 2 or menu_type_ref = 4)and isOption = 0;



Query Items served for Dinner

SELECT menu_item_id,menu_item,base_price,half_price,free_price,menu_type FROM commandopos.menu_item

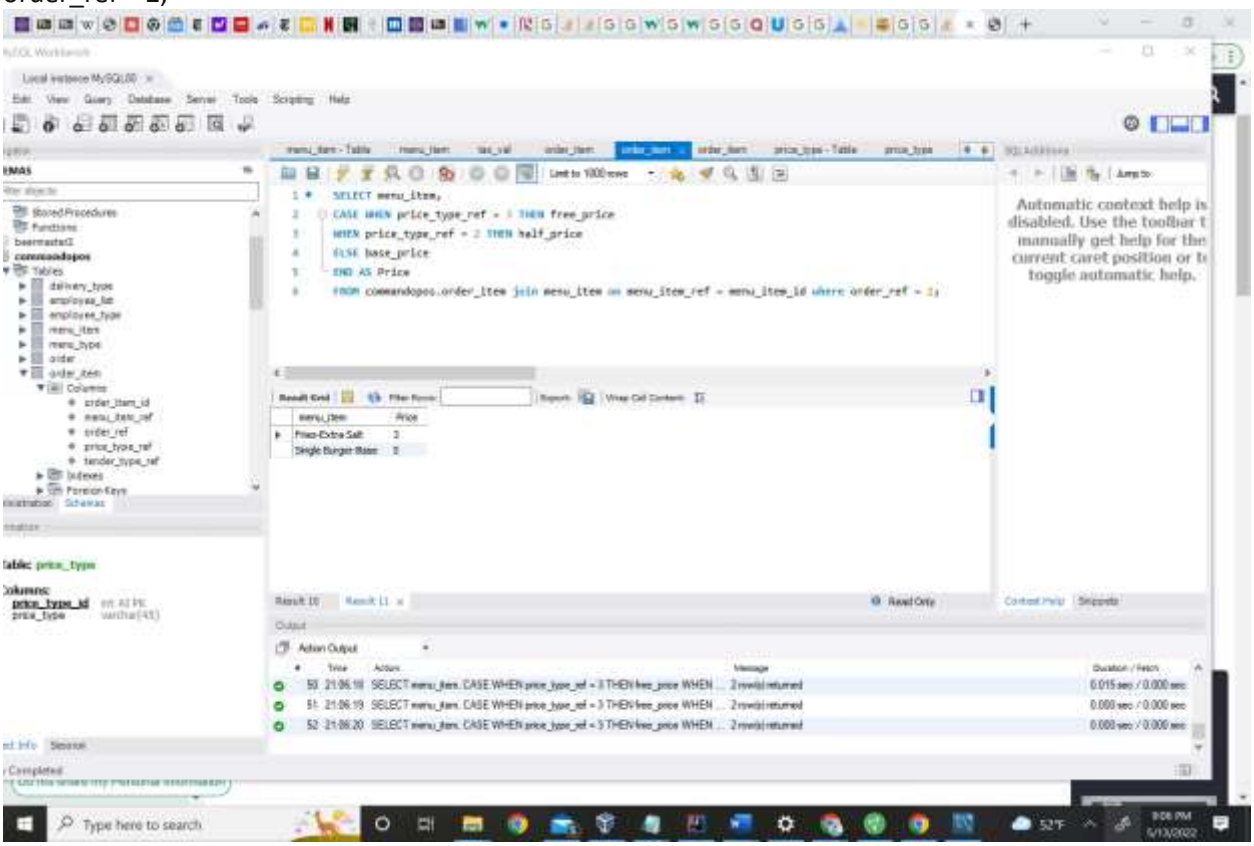
left join menu_type on menu_type_ref = menu_type_id where (menu_type_ref = 3 or menu_type_ref = 4)and isOption = 0;


SCHEMAS
menu_item
menu_type
Column: menu_type
Collation: utf8mb4_0900_ai_ci
Definition:
menu_type varchar(45)
Result Grid
Action Output
Type here to search

Make sure we can see each order in its entirety (items, price, options) –

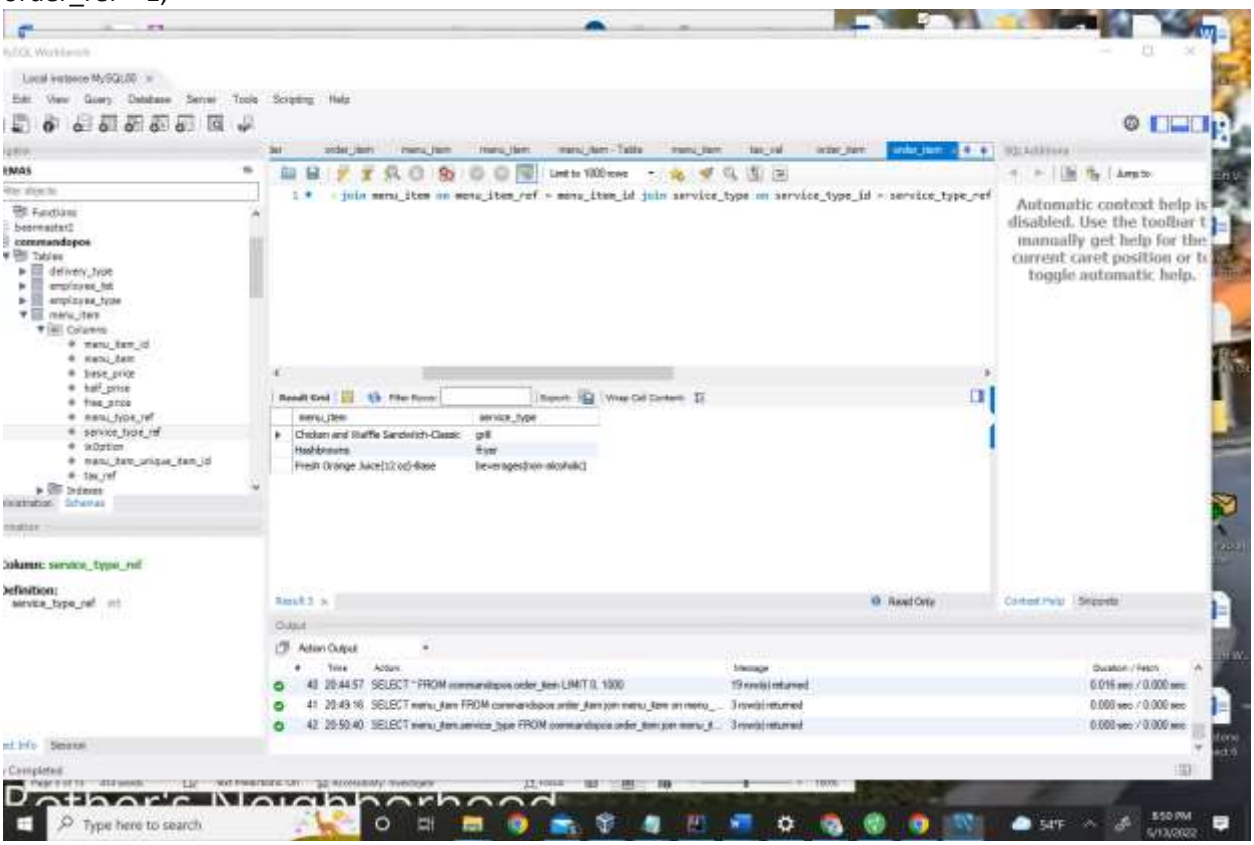
FYI options are just another menu Item

SELECT menu_item,
CASE WHEN price_type_ref = 3 THEN free_price
WHEN price_type_ref = 2 THEN half_price
ELSE base_price
END AS Price
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id where order_ref = 2;

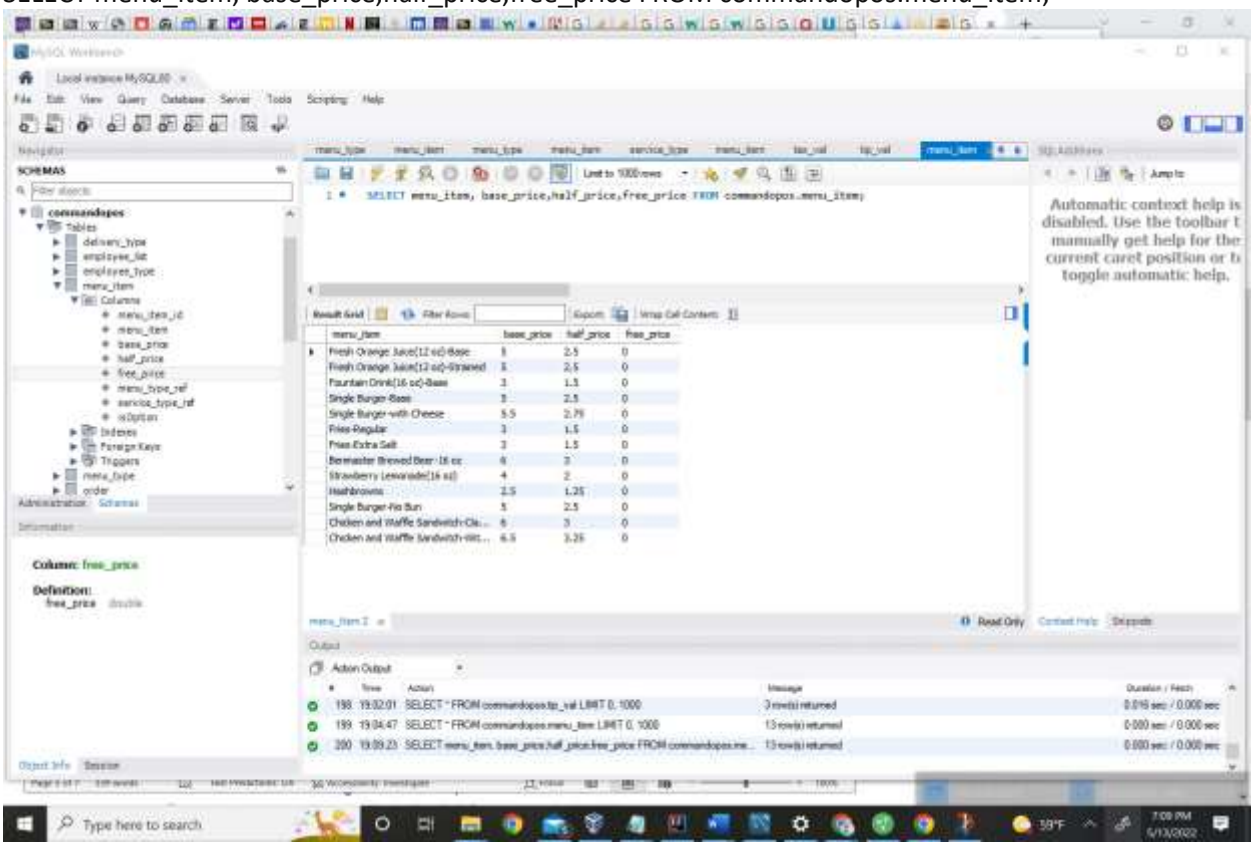


Make sure we can separate the items in an order by service type (grill, sides, drinks, etc)

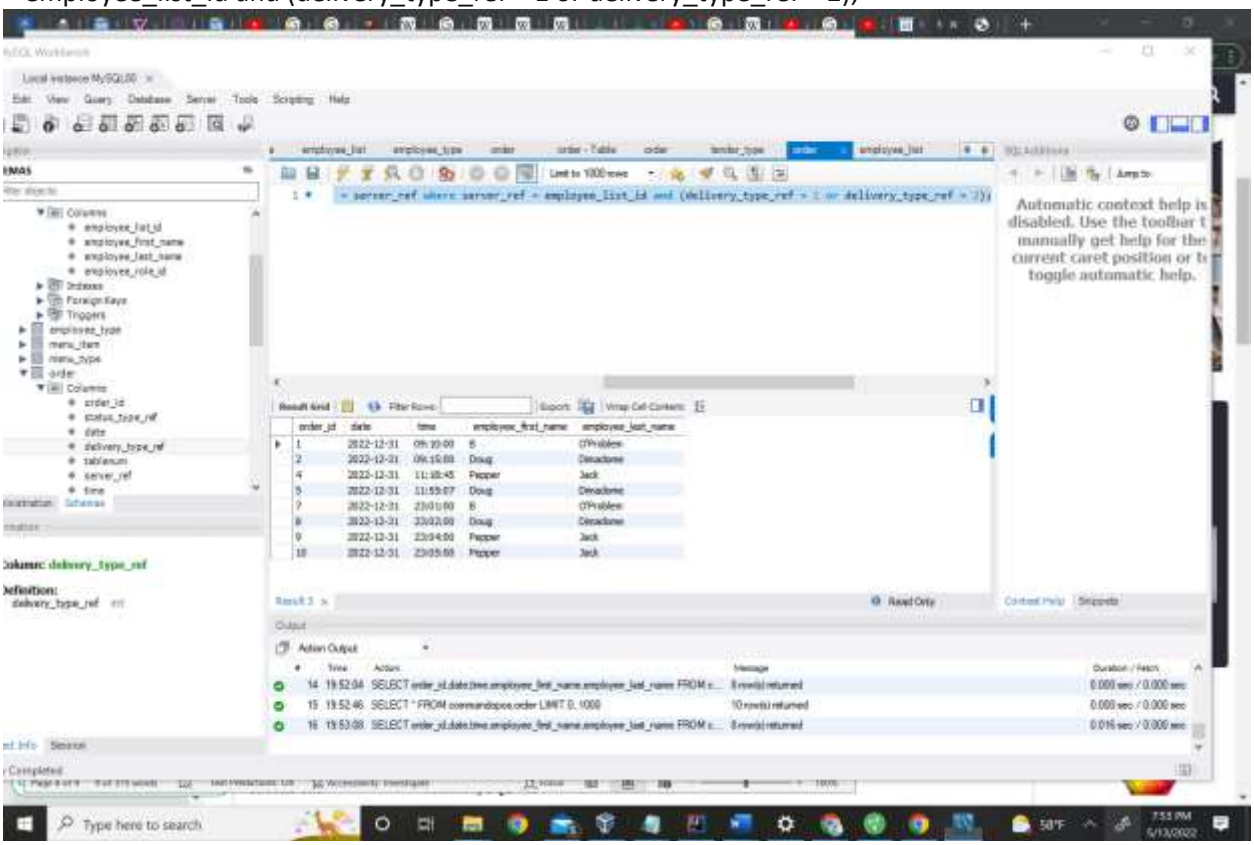
SELECT menu_item,service_type FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id join service_type on service_type_id = service_type_ref where order_ref = 1;



Make sure we have at least 3 prices for each item (regular, halfoff, free)
SELECT menu_item, base_price,half_price,free_price FROM commandopos.menu_item;

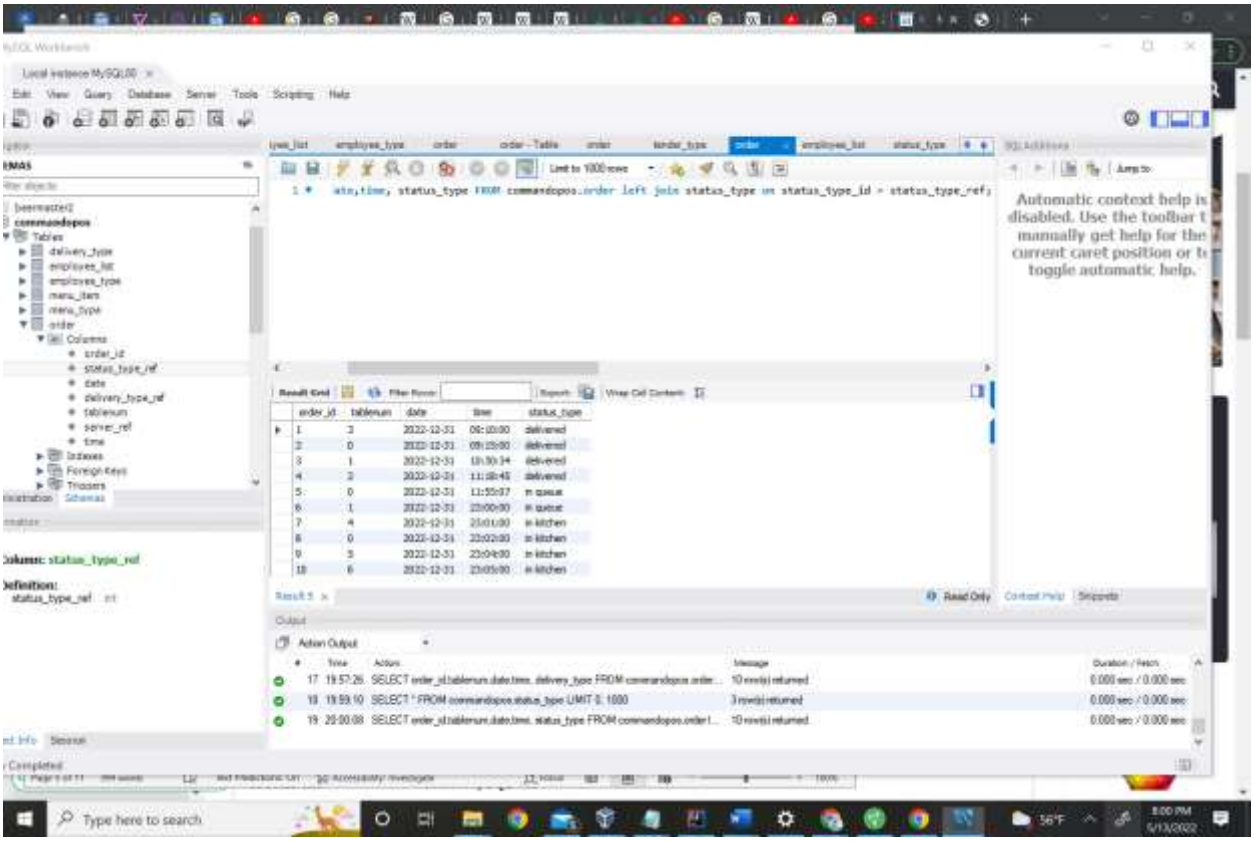


Make sure we can view all tickets by server
SELECT order_id,date,time,employee_first_name,employee_last_name FROM commandopos.order left join employee_list on employee_list_id = server_ref where server_ref = employee_list_id and (delivery_type_ref = 1 or delivery_type_ref = 2);

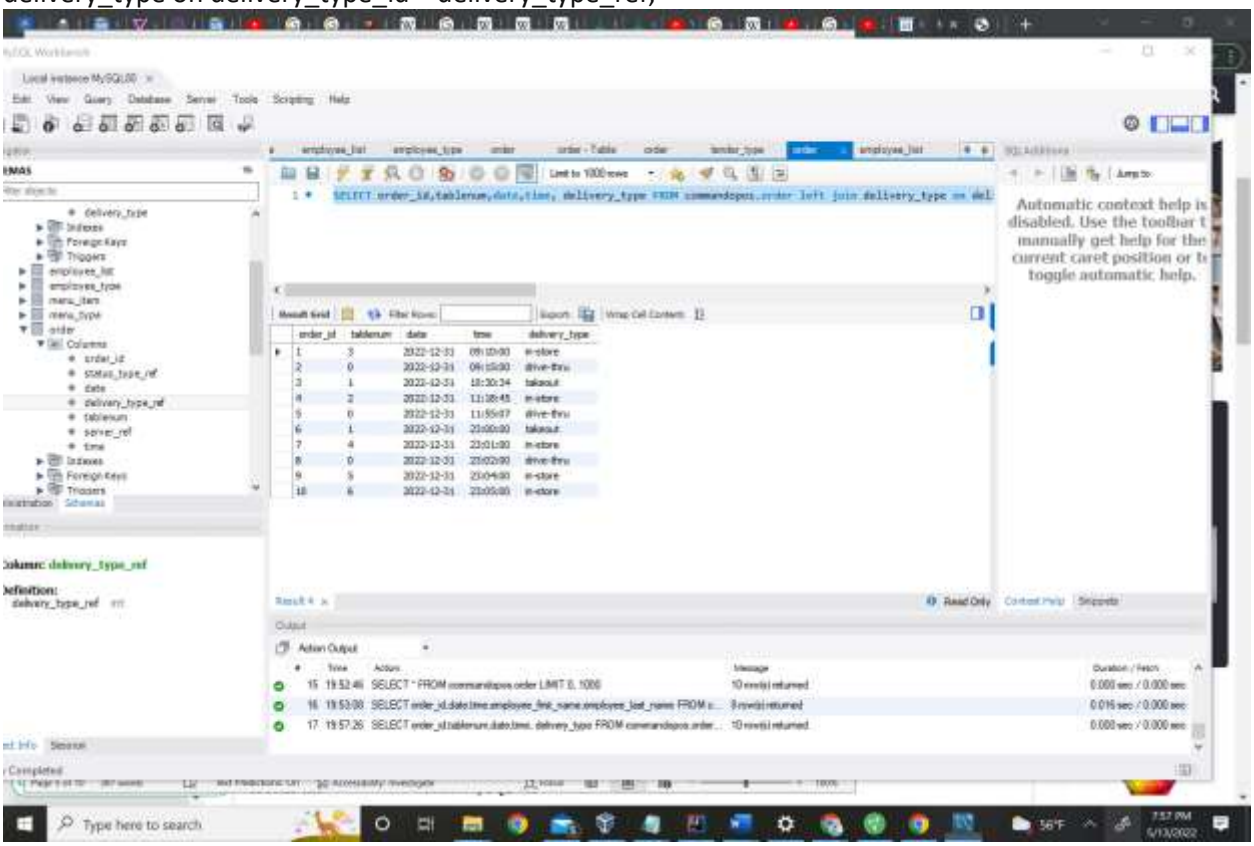


Make sure we can list all tickets by table noting which orders are in the kitchen

SELECT order_id,tablenum,date,time, status_type FROM commandopos.order left join status_type on status_type_id = status_type_ref;



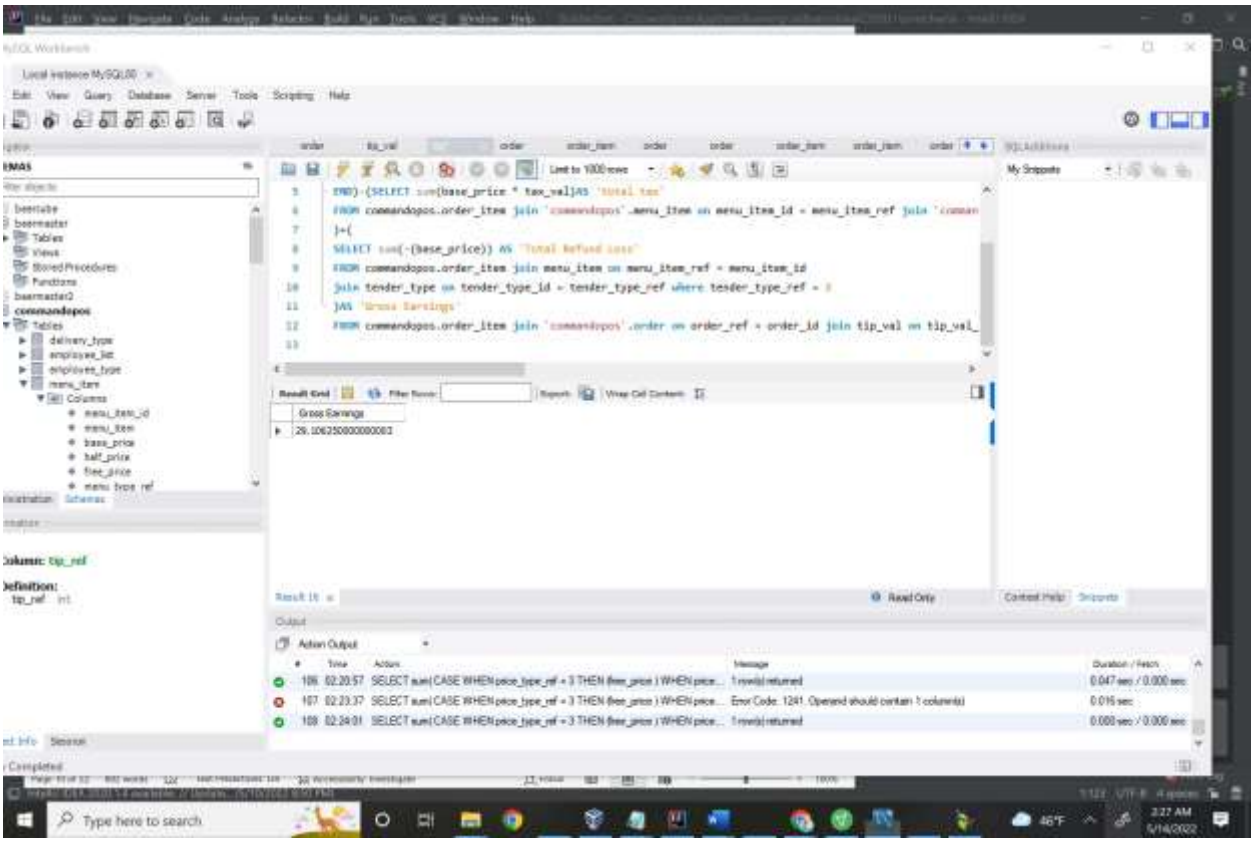
Make sure we can organize tickets by delivery type (sit down, take out, drive thru)
SELECT order_id,tablenum,date,time, delivery_type FROM commandopos.order left join delivery_type on delivery_type_id = delivery_type_ref;



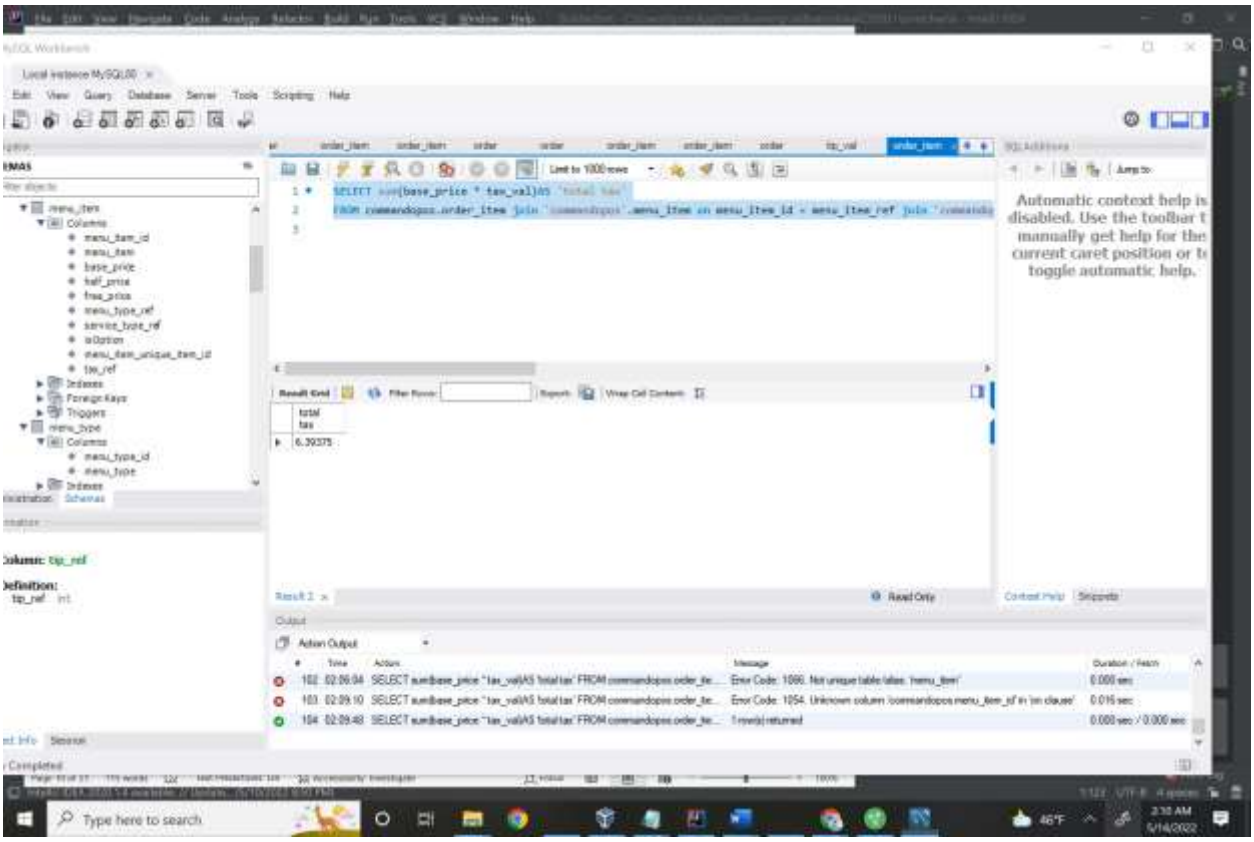
Gross Earnings(Net Earnings from sales(full and discounted)+refund loss-taxes)Gratuities aren't counted

SELECT sum(
CASE WHEN price_type_ref = 3 THEN (free_price)
WHEN price_type_ref = 2 THEN (half_price)
ELSE (base_price)
END)-(SELECT sum(base_price * tax_val)AS 'total tax'

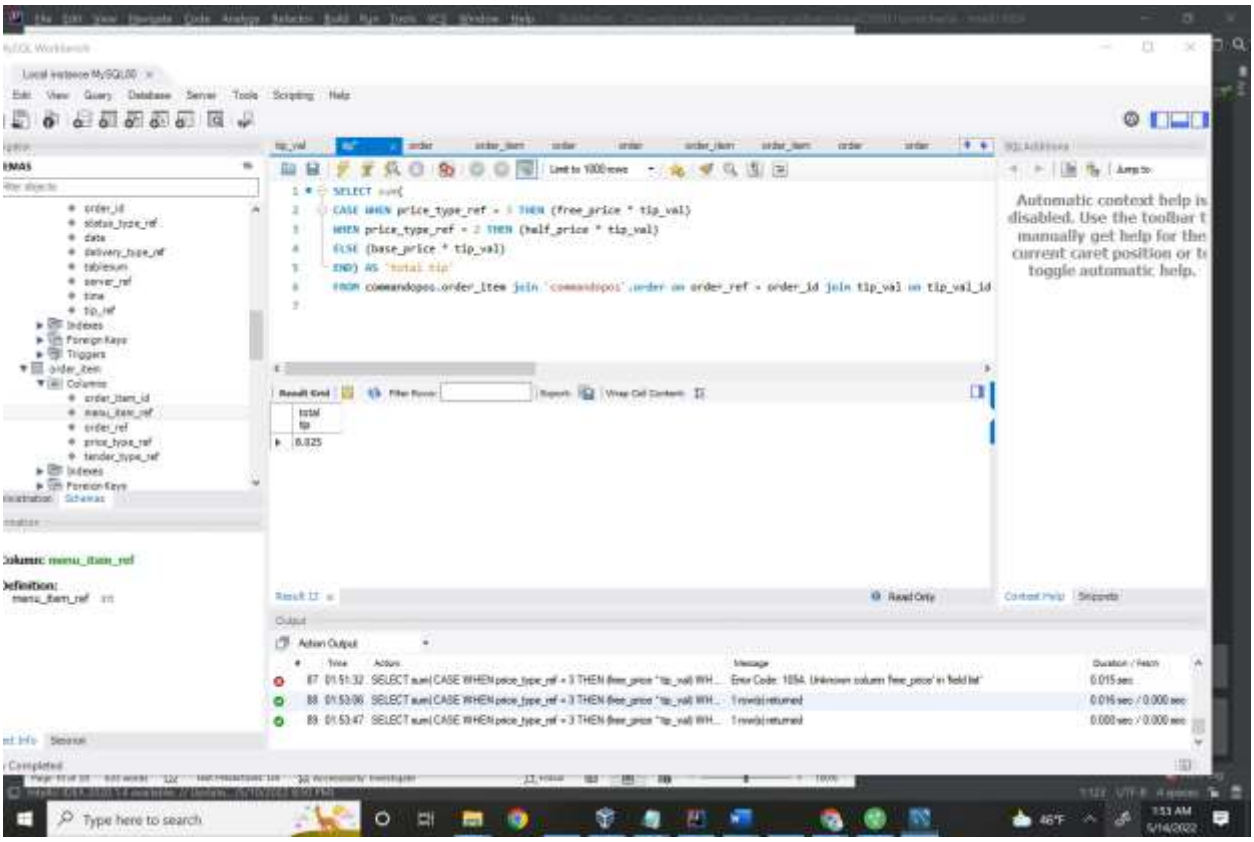
```
FROM commandopos.order_item join `commandopos`.menu_item on menu_item_id =
menu_item_ref join `commandopos`.order on order_ref = order_id join tax_val on tax_val_id
= tax_ref where date = '2022-12-31'
)+(
SELECT sum(-(base_price)) AS 'Total Refund Loss'
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id
join tender_type on tender_type_id = tender_type_ref where tender_type_ref = 3
)AS 'Gross Earnings'
FROM commandopos.order_item join `commandopos`.order on order_ref = order_id join
tip_val on tip_val_id = tip_ref join menu_item on menu_item_id =menu_item_ref where date
= '2022-12-31';
```



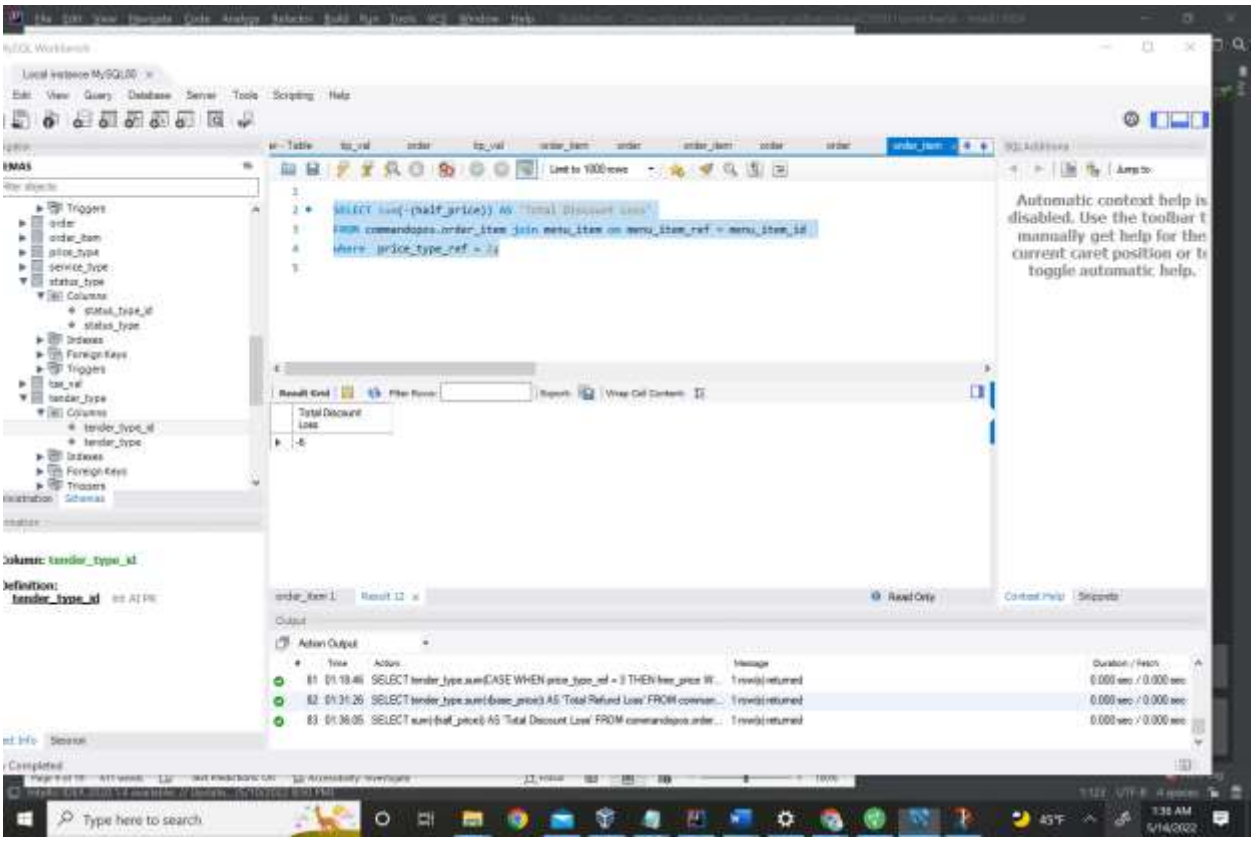
```
Total Tax
SELECT sum(base_price * tax_val)AS 'total tax'
FROM commandopos.order_item join `commandopos`.menu_item on menu_item_id =
menu_item_ref join `commandopos`.order on order_ref = order_id join tax_val on tax_val_id
= tax_ref where date = '2022-12-31';
```



Total Gratuity
SELECT sum(
CASE WHEN price_type_ref = 3 THEN (free_price * tip_val)
WHEN price_type_ref = 2 THEN (half_price * tip_val)
ELSE (base_price * tip_val)
END) AS 'total tip'
FROM commandopos.order_item join `commandopos`.order on order_ref = order_id join tip_val on tip_val_id = tip_ref join menu_item on menu_item_id =menu_item_ref where date = '2022-12-31';



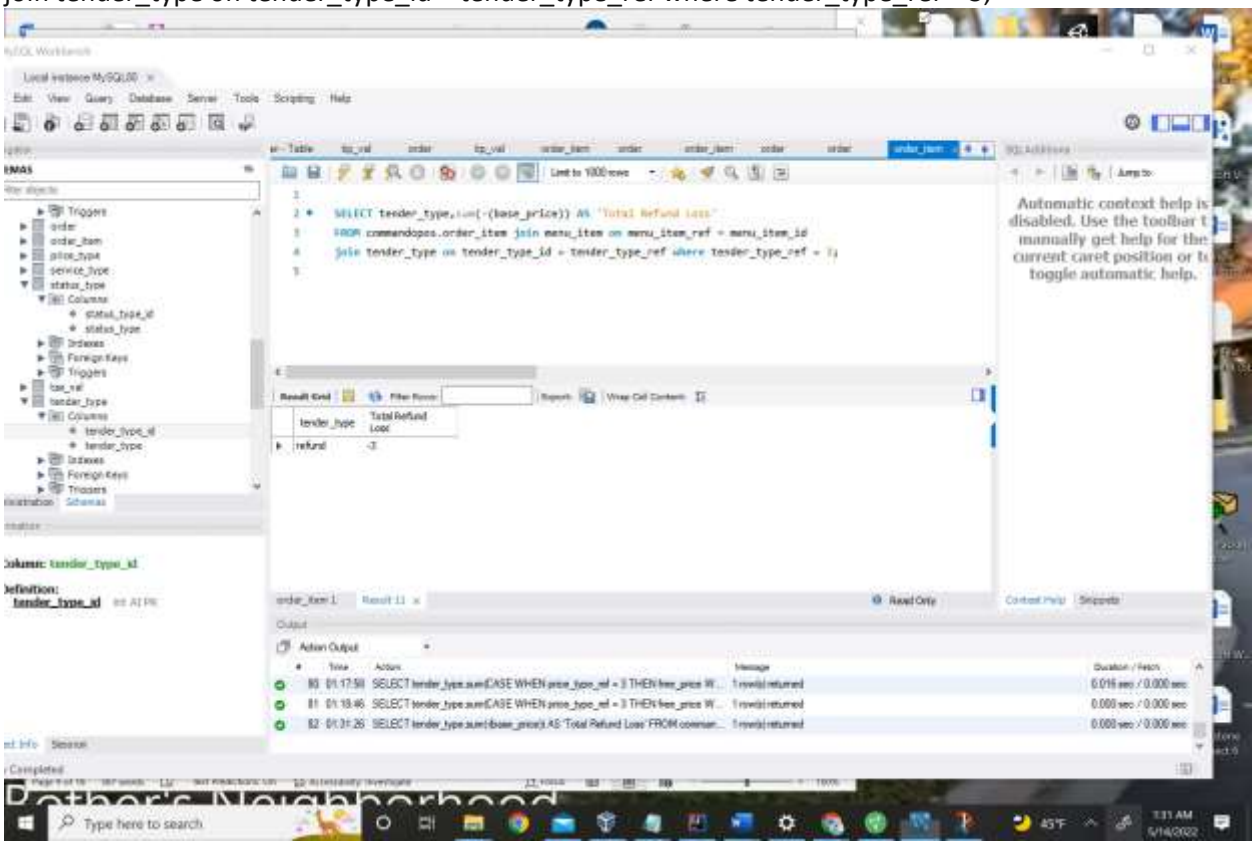
Total discount
SELECT sum(-(half_price)) AS 'Total Discount Loss'
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id
where price_type_ref = 2;



Total Refund

SELECT tender_type,sum(-(base_price)) AS 'Total Refund Loss'
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id

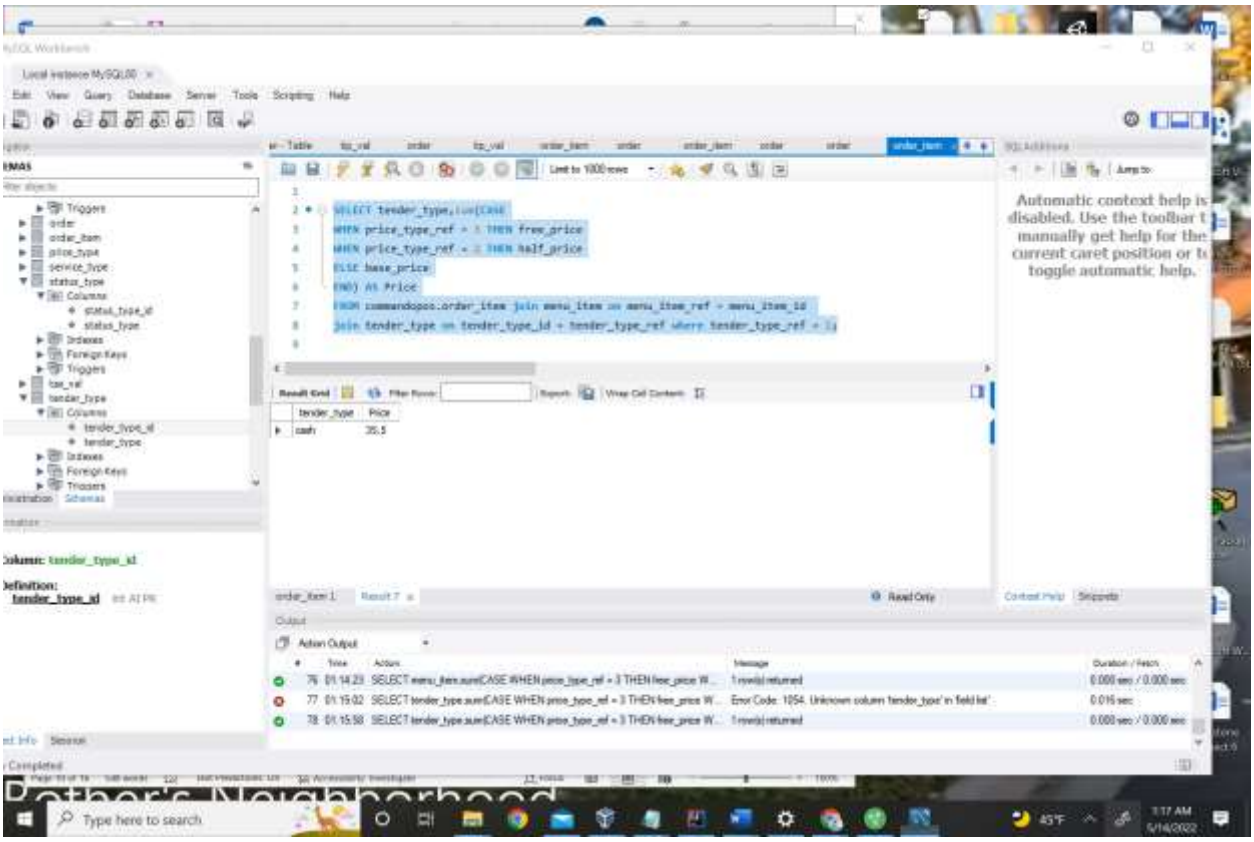
join tender_type on tender_type_id = tender_type_ref where tender_type_ref = 3;



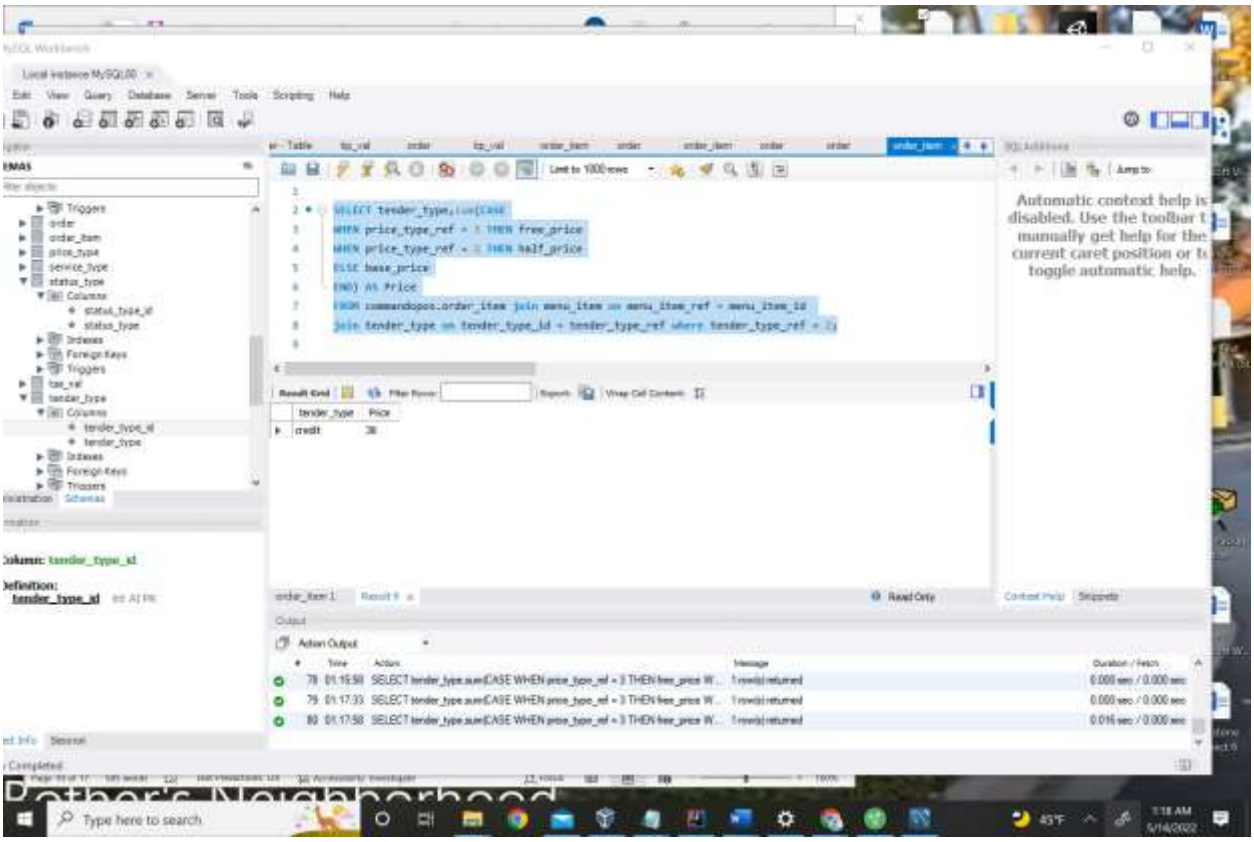
Make sure we can generate a listing of total sales by tender type per day

Cash Query

```
SELECT tender_type,sum(CASE
WHEN price_type_ref = 3 THEN free_price
WHEN price_type_ref = 2 THEN half_price
ELSE base_price
END) AS Price
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id
join tender_type on tender_type_id = tender_type_ref where tender_type_ref = 1;
```

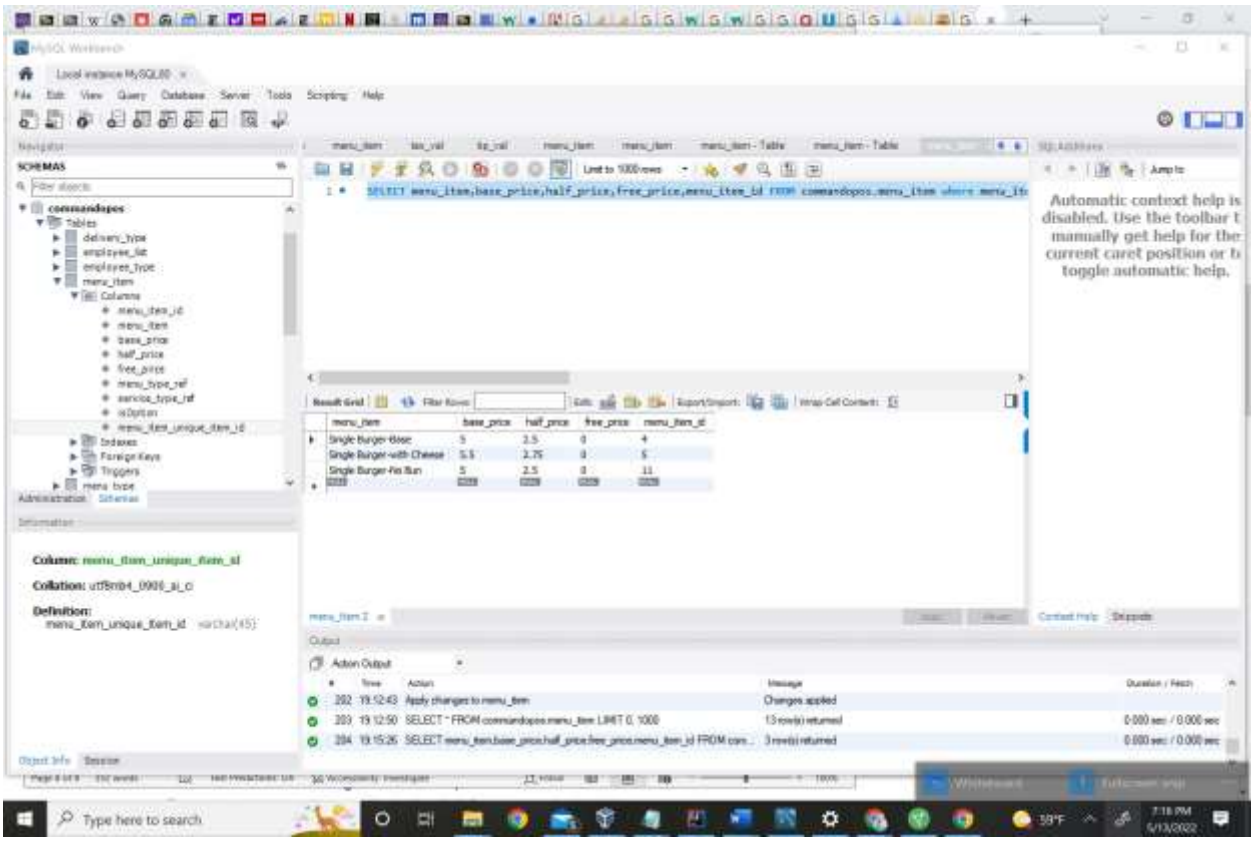


Debit Query
SELECT tender_type,sum(CASE
WHEN price_type_ref = 3 THEN free_price
WHEN price_type_ref = 2 THEN half_price
ELSE base_price
END) AS Price
FROM commandopos.order_item join menu_item on menu_item_ref = menu_item_id
join tender_type on tender_type_id = tender_type_ref where tender_type_ref = 2;



Make sure we can identify all the options for any menu item

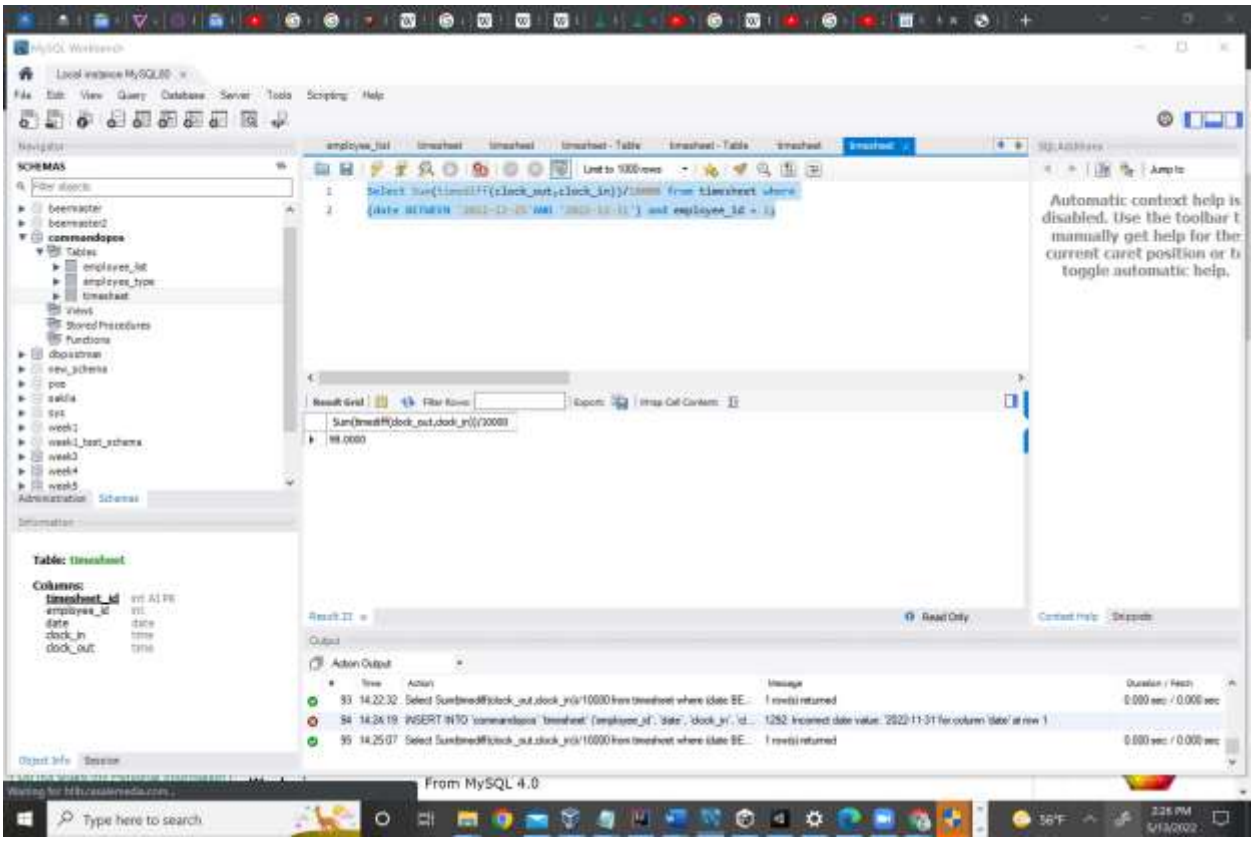
SELECT menu_item,base_price,half_price,free_price,menu_item_id FROM commandopos.menu_item where menu_item_unique_item_id = 3;



Make sure we can generate a list total hours worked for each employee for a given week

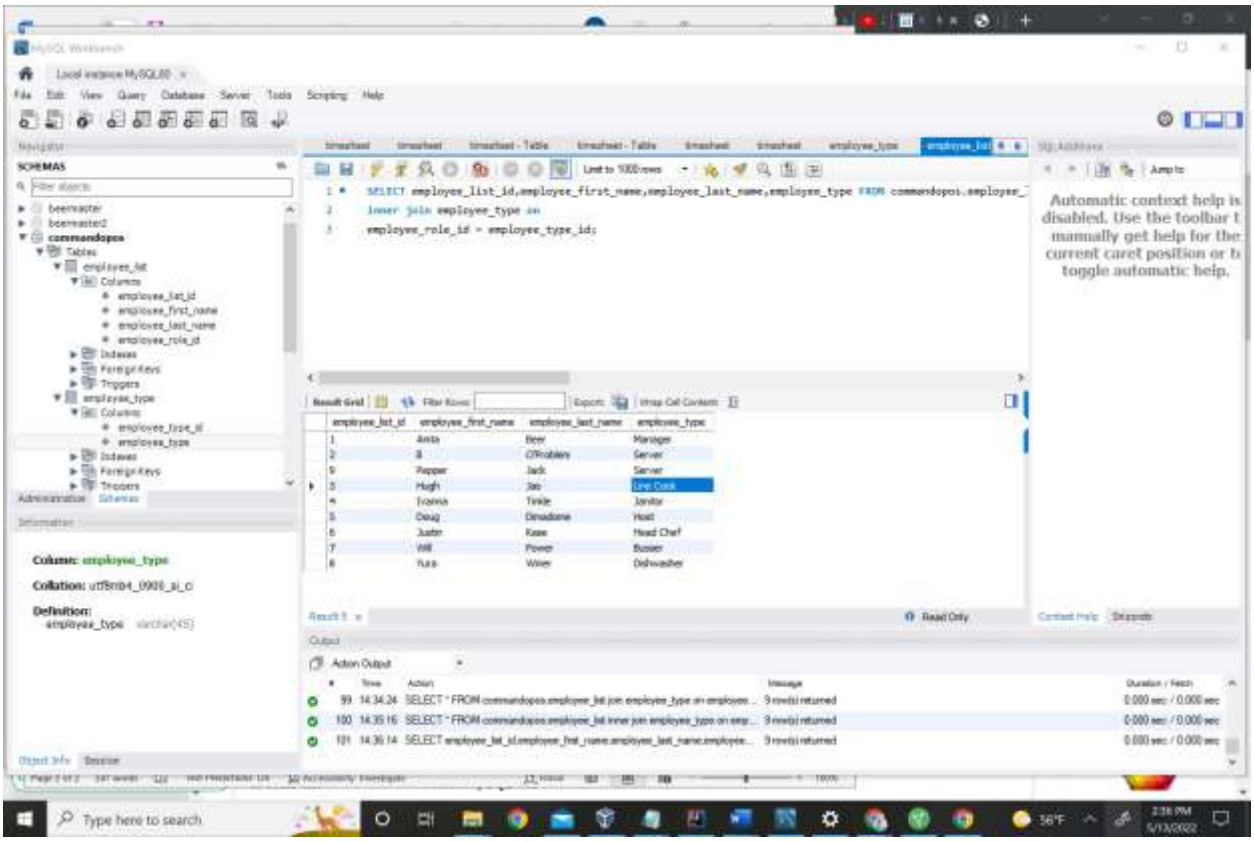
Select Sum(timediff(clock_out,clock_in))/10000 from timesheet where

(date BETWEEN '2022-12-25'AND '2022-12-31') and employee_id = 2;

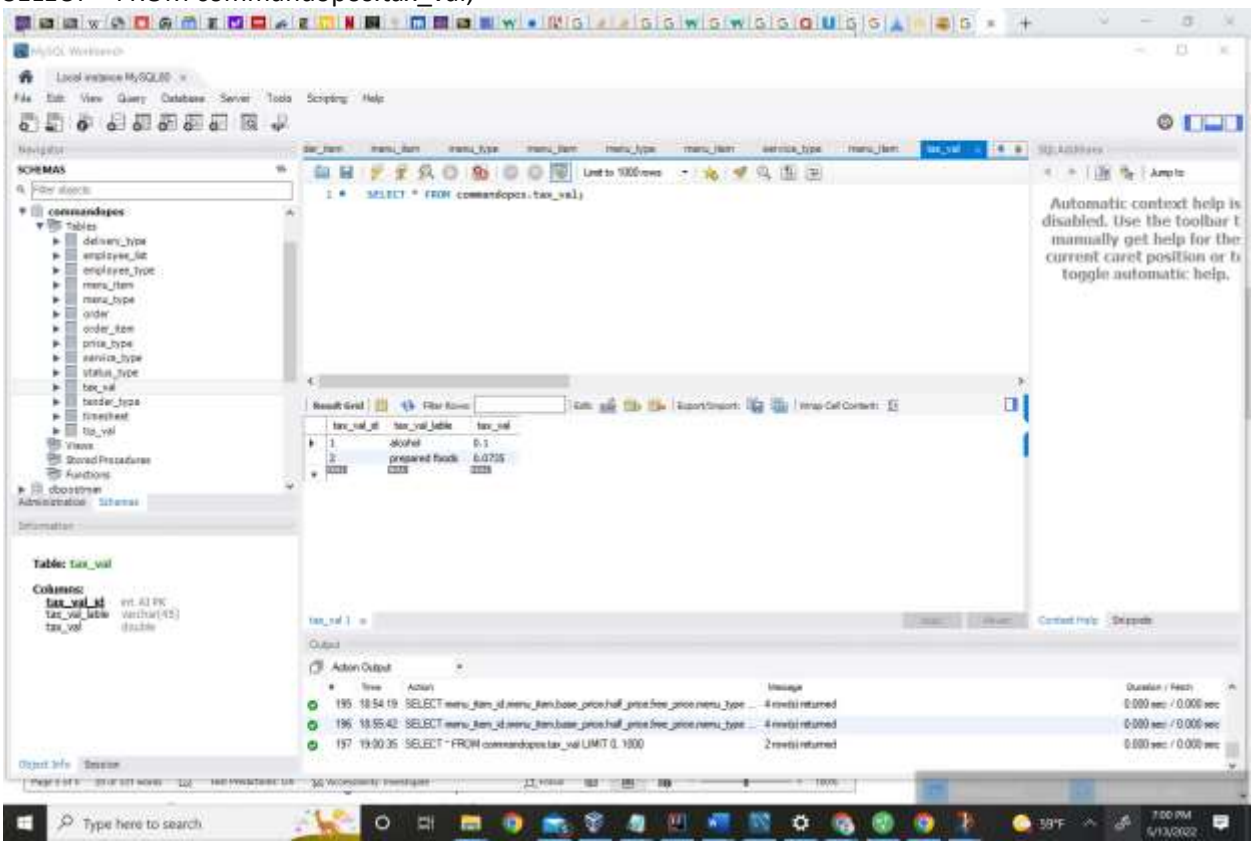


Make sure we can list all employees by role

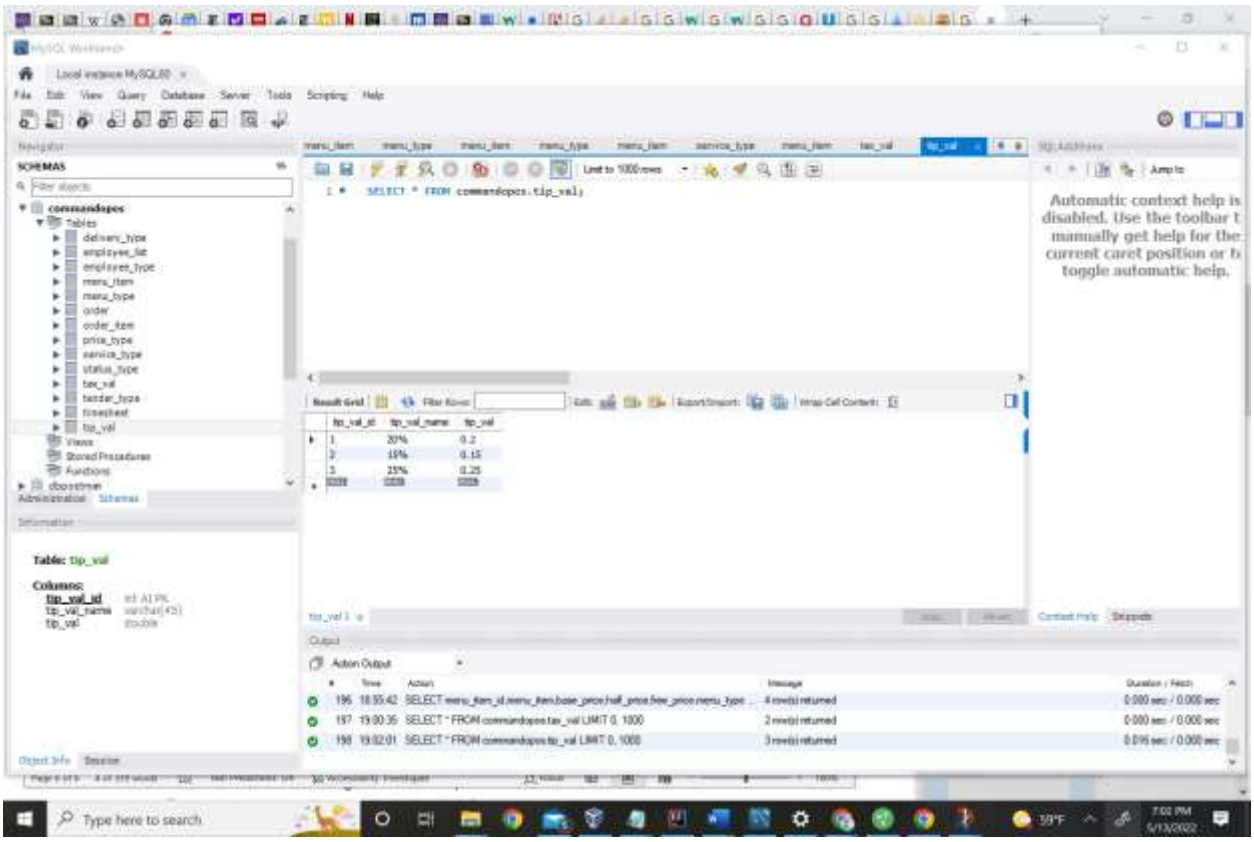
```
SELECT employee_list_id,employee_first_name,employee_last_name,employee_type FROM
commandopos.employee_list
inner join employee_type on
employee_role_id = employee_type_id;
```


SELECT employee_list_id,employee_first_name,employee_last_name,employee_type FROM commandopos.employee_
inner join employee_type on
employee_role_id = employee_type_id;
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Column: employee_type
Collation: utf8mb4_0900_ai_ci
Definition:
employee_type varchar(45)
Type here to search

Make sure we have 2 calculated values for taxes
SELECT * FROM commandopos.tax_val;



Make sure we have 2 calculated values for gratuities
SELECT * FROM commandopos.tip_val;

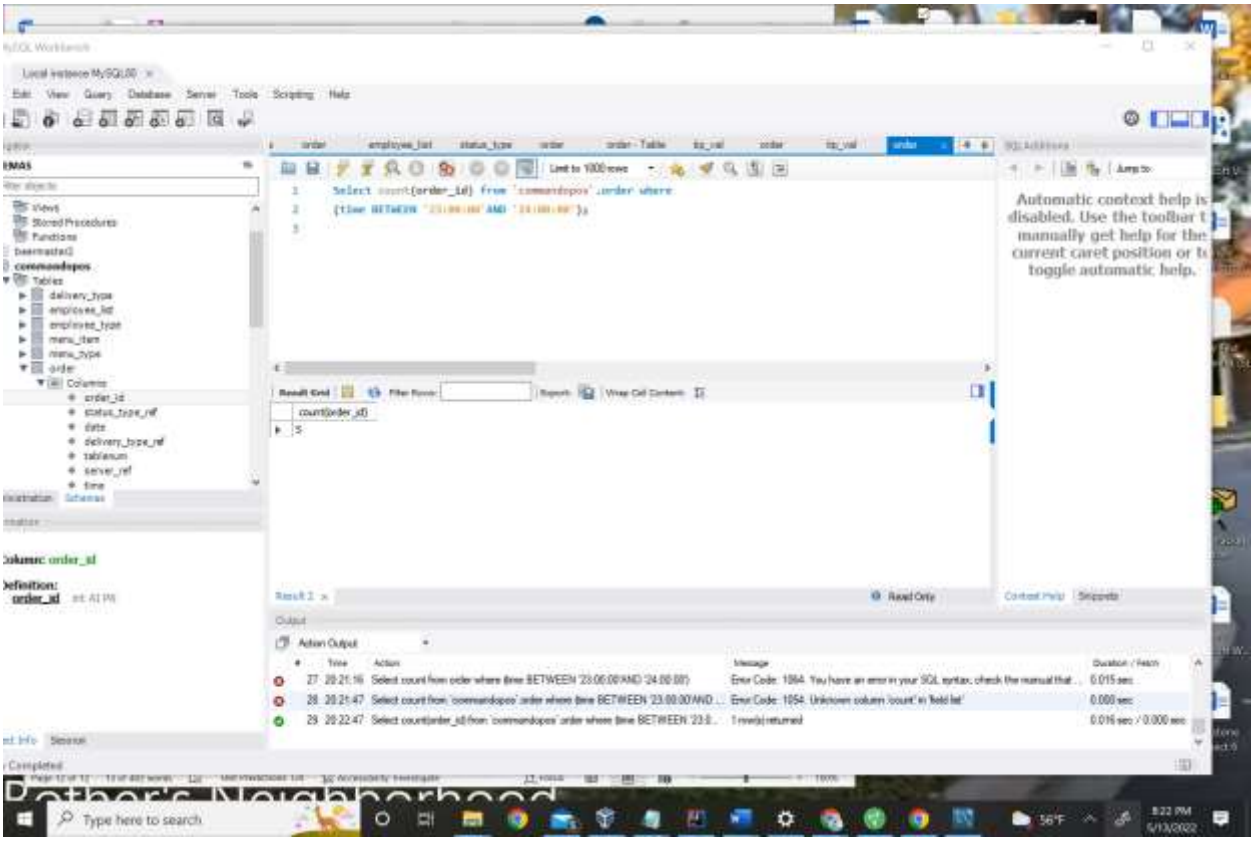


Make sure we can generate the number of orders**,** average items per order for each hour in a given day.

Number of orders between 11:00PM -12:00AM

Select count(order_id) from `commandopos`.order where

(time BETWEEN '23:00:00'AND '24:00:00');

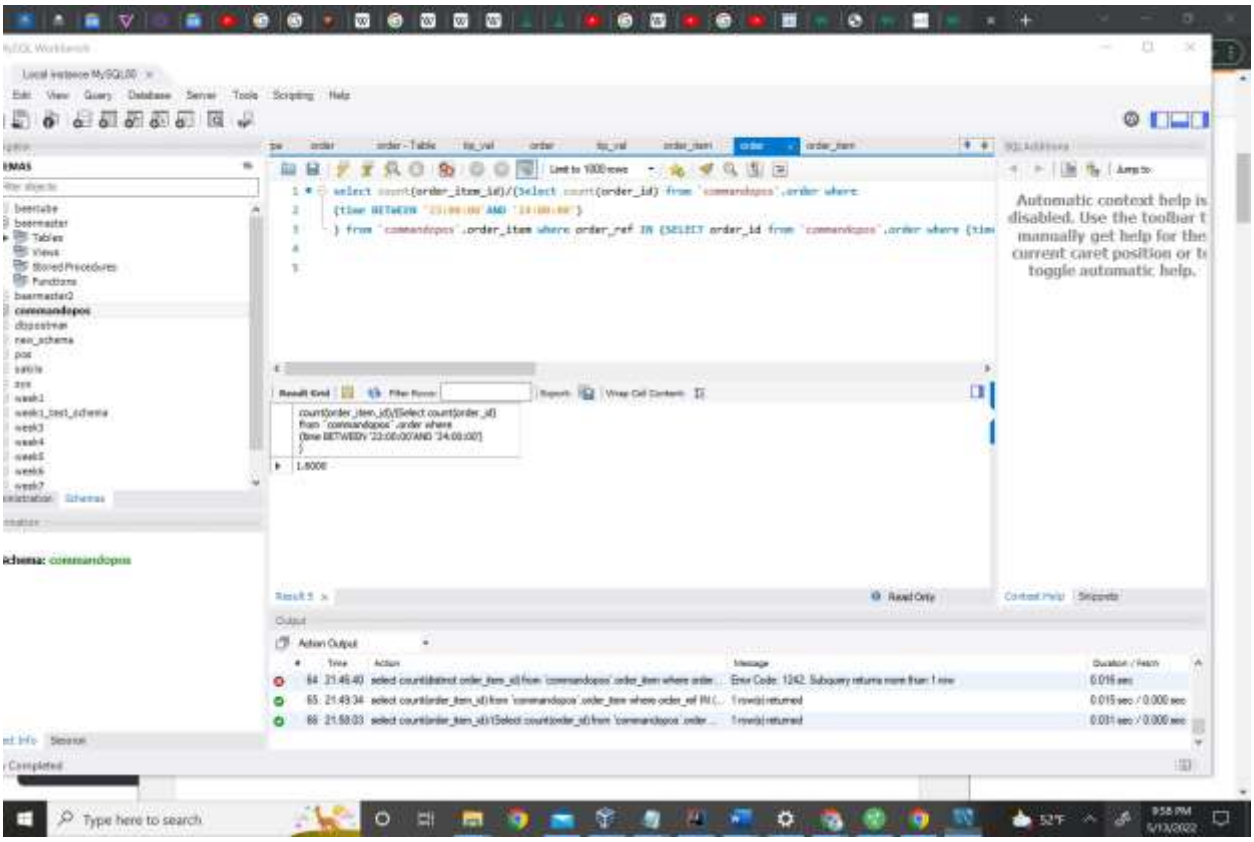


Average items per order for each between 11:00PM -12:00AM

select count(order_item_id)/(Select count(order_id) from `commandopos`.order where

(time BETWEEN '23:00:00'AND '24:00:00')

) from `commandopos`.order_item where order_ref IN (SELECT order_id from `commandopos`.order where (time BETWEEN '23:00:00'AND '24:00:00'))


Local instance MySQL80
Edit View Query Database Server Tools Scripting Help
SCHEMAS
commandopos
select count(order_item_id)/(Select count(order_id) from `commandopos`.order where
(time BETWEEN '23:00:00' AND '24:00:00')
) from `commandopos`.order_item where order_ref IN (SELECT order_id from `commandopos`.order where (time
Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.
Result Grid
count(order_item_id)/(Select count(order_id) from `commandopos`.order where (time BETWEEN '23:00:00' AND '24:00:00'))
1.6000
Read Only
Output
Action Output
Time
Action
Message
Duration / Fetch
84 21:46:40 select count(distinct order_item_id) from `commandopos`.order_item where order... Error Code: 1242. Subquery returns more than 1 row 0.016 sec
85 21:49:34 select count(order_item_id) from `commandopos`.order_item where order_ref IN (... 1 row(s) returned 0.015 sec / 0.000 sec
86 21:50:03 select count(order_item_id)/(Select count(order_id) from `commandopos`.order ... 1 row(s) returned 0.031 sec / 0.000 sec
Completed
Type here to search
52°F
9:58 PM
5/13/2022