

Assignment 7
CS1103

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Responses:

NB: Every input will be followed by a screenshot of the output

1)

```
SELECT item_name,item_price FROM menu_items
WHERE Item_category=11 AND item_price < 11 ;
```

item_name	item_price
Coffee (Original Blend, Dark Roast or Decaf)Small	1,59
Coffee (Original Blend, Dark Roast or Decaf)Medium	1,79
Coffee (Original Blend, Dark Roast or Decaf)Large	1,99

2)

```
SELECT Sale_ID, Date_and_time AS D_T FROM sales_record
WHERE Date_and_time >= '2022-03-08' AND Date_and_time < '2022-03-09' AND
Store=101 AND Employee=1002 ;
```

Sale_ID	D_T
10 001	2022-03-08 15:00:00
10 003	2022-03-08 12:00:00
10 004	2022-03-08 09:00:00
10 005	2022-03-08 08:00:00

3)

```
SELECT sale_id,line_item_id AS Line, item_name FROM line_items
NATURAL JOIN menu_items
NATURAL JOIN sales_record
WHERE Employee=1002 AND item_category=13 ;
```

sale_id	Line	item_name
10 009	1	California Turkey
10 010	1	California Turkey
10 011	1	California Turkey
10 012	1	California Turkey
10 013	1	California Turkey
10 013	3	Turkey Bacon Club
10 013	2	Avocado BLT

4)

```
SELECT sale_id,line_item_id AS Line, item_name FROM line_items
NATURAL JOIN menu_items
NATURAL JOIN menu_categories
NATURAL JOIN sales_record
```

```

left JOIN employees
ON sales_record.Employee = employees.Employee_ID
WHERE First_name='linda' AND last_name='steve' AND menu_types='Handcrafted
sandwich' ;

```

sale_id	Line	item_name
10 009	1	California Turkey
10 010	1	California Turkey
10 011	1	California Turkey
10 012	1	California Turkey
10 013	1	California Turkey
10 013	2	Avocado BLT
10 013	3	Turkey Bacon Club

NB: since I Don't have donuts in my database I used California turkey as a substitute for donuts

5)

```

SELECT shop_adress,sale_id,Date_and_time,item_name FROM
sales_record LEFT JOIN tim_store
ON sales_record.Store=tim_store.Shop_ID
natural JOIN line_items
NATURAL JOIN menu_items
WHERE sale_type=2 and item_name='california turkey'
;

```

shop_adress	sale_id	Date_and_time	item_name
534 Union St	10 009	2022-03-09 14:29:30	California Turkey
534 Union St	10 010	2022-03-09 14:30:30	California Turkey
534 Union St	10 011	2022-03-09 14:39:30	California Turkey
534 Union St	10 013	2022-03-09 14:48:30	California Turkey
290 Main St	10 014	2022-04-09 08:00:00	California Turkey

6)

```

SELECT distinct First_name, last_name,shop_adress FROM
sales_record NATURAL JOIN line_items
NATURAL JOIN menu_items
LEFT JOIN tim_store
ON sales_record.Store=tim_store.Shop_ID
LEFT JOIN employees
ON sales_record.Employee=employees.Employee_ID
WHERE item_id=7
;

```

First_name	last_name	shop_adress
Walter	White	290 Main St
Linda	Steve	534 Union St
Leonardo	Gates	290 Main St
Leonardo	Gates	534 Union St

7)

```

SELECT DISTINCT menu_types AS CATEGORY FROM
line_items NATURAL JOIN menu_items

```

NATURAL JOIN menu_categories ;

CATEGORY
Hot Beverage
Cold Beverage
Handcrafted Sandwich
Bakery Fresh