HELLO

HERE I UTILIZED SQL QURIES TO SLOVE QUESTIONS THAT WERE RELATED

TO PIZZA SALES

ER -DIAGRAM

pizza_types
- 🔑 PIZZA_TYPE_ID VARCHAR(5...
- ◆ NAME VARCHAR(100)
- ◆ CATEGORY VARCHAR(50)
- ◆ INGREDIENTS TEXT

Indexes ▶

order_details
- 🔑 ORDER_DETAILS_ID I...
- ◆ ORDER_ID INT
- ◆ PIZZA_ID VARCHAR(50)
- ◆ QUANTITY INT

Indexes ▶

pizzas
- 🔑 PIZZA_ID VARCHAR(50)
- ◆ PIZZA_TYPE_ID VARCHAR(5...
- ◆ SIZE VARCHAR(20)
- ◆ PRICE DECIMAL(10,2)

Indexes ▶

orders
- 🔑 ORDER_ID INT
- ◆ ORDER_DATE DA...
- ◆ ORDER_TIME TIME

Indexes ▶
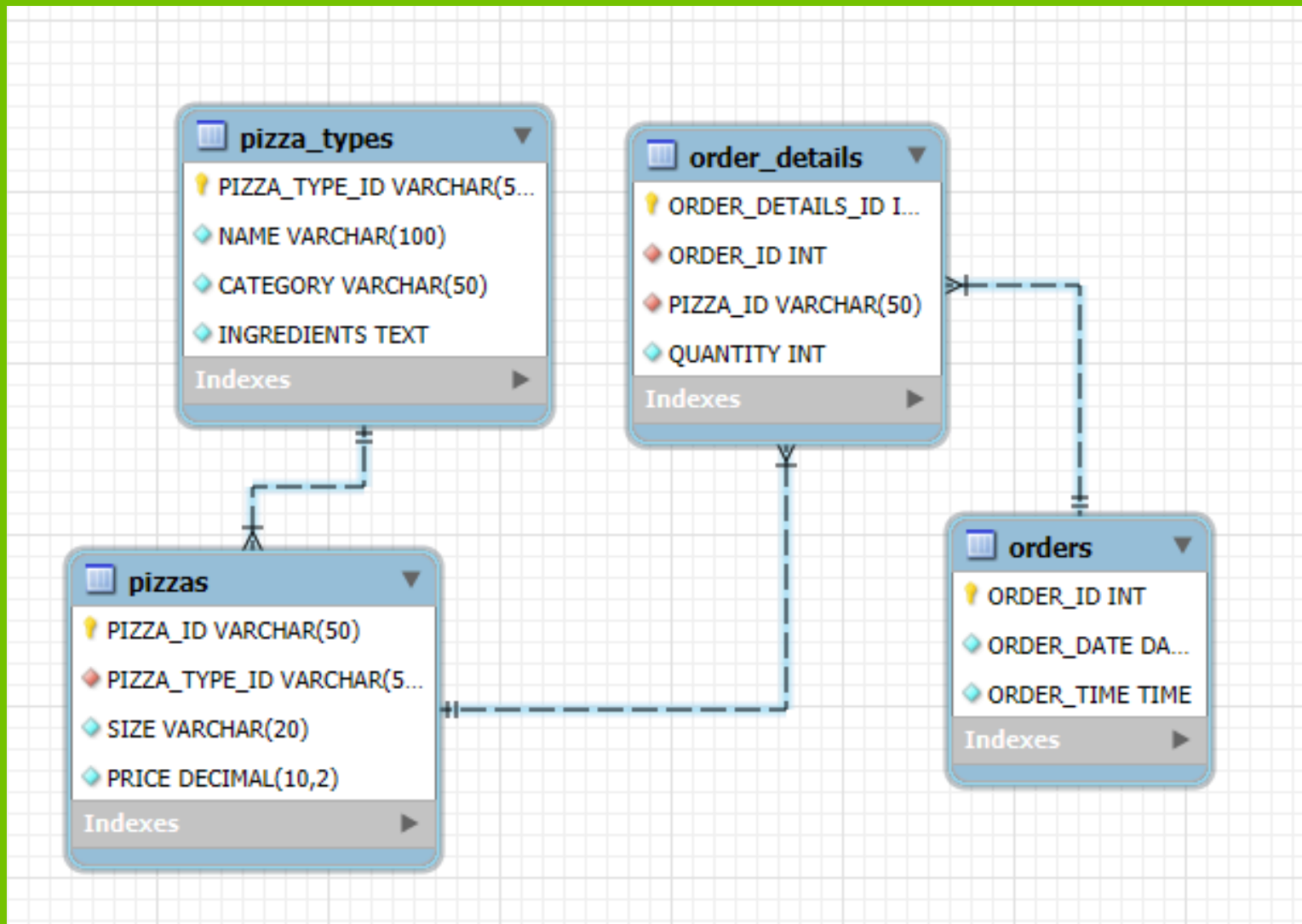
STRUCTURE OF TABLES

ORDER TABLE

ORDER_DETAILS TABLE

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SELECT * FROM pizza_hut.order_details;
+------------------+----------+----------------+----------+
| ORDER_DETAILS_ID | ORDER_ID | PIZZA_ID       | QUANTITY |
+------------------+----------+----------------+----------+
|                1 |        1 | hawaiian_m     |        1 |
|                2 |        2 | classic_dlx_m  |        1 |
|                3 |        2 | five_cheese_l  |        1 |
|                4 |        2 | ital_supr_l    |        1 |
|                5 |        2 | mexicana_m     |        1 |
|                6 |        2 | thai_ckn_l     |        1 |
|                7 |        3 | ital_supr_m    |        1 |
|                8 |        3 | prsc_argla_l   |        1 |
|                9 |        4 | ital_supr_m    |        1 |
|               10 |        5 | ital_supr_m    |        1 |
|               11 |        6 | bbq_ckn_s      |        1 |
|               12 |        6 | the_greek_s    |        1 |
|               13 |        7 | spinach_supr_s |        1 |
|               14 |        8 | spinach_supr_s |        1 |
|               15 |        9 | classic_dlx_s  |        1 |
|               16 |        9 | green_garden_s |        1 |
|               17 |        9 | ital_cpcllo_l  |        1 |
|               18 |        9 | ital_supr_l    |        1 |
|               19 |        9 | ital_supr_s    |        1 |
|               20 |        9 | mexicana_s     |        1 |
|               21 |        9 | spicy_ital_l   |        1 |
|               22 |        9 | spin_pesto_l   |        1 |
|               23 |        9 | veggie_veg_s   |        1 |
|               24 |       10 | mexicana_l     |        1 |
|               25 |       10 | southw_ckn_l   |        1 |
|               26 |       11 | bbq_ckn_l      |        1 |
```

PIZZAS TABLE

pizza_id	pizza_type_id	size	price
bbq_ckn_s	bbq_ckn	S	12.75
bbq_ckn_m	bbq_ckn	M	16.75
bbq_ckn_l	bbq_ckn	L	20.75
cali_ckn_s	cali_ckn	S	12.75
cali_ckn_m	cali_ckn	M	16.75
cali_ckn_l	cali_ckn	L	20.75
ckn_alfredo_s	ckn_alfredo	S	12.75
ckn_alfredo_m	ckn_alfredo	M	16.75
ckn_alfredo_l	ckn_alfredo	L	20.75
ckn_pesto_s	ckn_pesto	S	12.75
ckn_pesto_m	ckn_pesto	M	16.75
ckn_pesto_l	ckn_pesto	L	20.75
southw_ckn_s	southw_ckn	S	12.75
southw_ckn_m	southw_ckn	M	16.75
southw_ckn_l	southw_ckn	L	20.75
thai_ckn_s	thai_ckn	S	12.75
thai_ckn_m	thai_ckn	M	16.75
thai_ckn_l	thai_ckn	L	20.75
big_meat_s	big_meat	S	12
big_meat_m	big_meat	M	16
big_meat_l	big_meat	L	20.5
classic_dlx_s	classic_dlx	S	12
classic_dlx_m	classic_dlx	M	16
classic_dlx_l	classic_dlx	L	20.5
hawaiian_s	hawaiian	S	10.5

napolitana_s	napolitana	S	12
napolitana_m	napolitana	M	16
napolitana_l	napolitana	L	20.5
pep_msh_pep_s	pep_msh_pep	S	11
pep_msh_pep_m	pep_msh_pep	M	14.5
pep_msh_pep_l	pep_msh_pep	L	17.5
pepperoni_s	pepperoni	S	9.75
pepperoni_m	pepperoni	M	12.5
pepperoni_l	pepperoni	L	15.25
the_greek_s	the_greek	S	12
the_greek_m	the_greek	M	16
the_greek_l	the_greek	L	20.5
the_greek_xl	the_greek	XL	25.5
the_greek_xxl	the_greek	XXL	35.95
brie_carre_s	brie_carre	S	23.65
calabrese_s	calabrese	S	12.25
calabrese_m	calabrese	M	16.25
calabrese_l	calabrese	L	20.25
ital_supr_s	ital_supr	S	12.5
ital_supr_m	ital_supr	M	16.5
ital_supr_l	ital_supr	L	20.75
peppr_salami_s	peppr_salami	S	12.5
peppr_salami_m	peppr_salami	M	16.5
peppr_salami_l	peppr_salami	L	20.75
prsc_argla_s	prsc_argla	S	12.5
prsc_argla_m	prsc_argla	M	16.5
prsc_argla_l	prsc_argla	L	20.75
sicilian_s	sicilian	S	12.25
sicilian_m	sicilian	M	16.25
sicilian_l	sicilian	L	20.25
soppressata_s	soppressata	S	12.5
soppressata_m	soppressata	M	16.5
soppressata_l	soppressata	L	20.75
spicy_ital_s	spicy_ital	S	12.5
spicy_ital_m	spicy_ital	M	16.5

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| soppressata_l    | soppressata    | L | 20.75 |
| spicy_ital_s     | spicy_ital     | S | 12.5  |
| spicy_ital_m     | spicy_ital     | M | 16.5  |
| spicy_ital_l     | spicy_ital     | L | 20.75 |
| spinach_supr_s   | spinach_supr   | S | 12.5  |
| spinach_supr_m   | spinach_supr   | M | 16.5  |
| spinach_supr_l   | spinach_supr   | L | 20.75 |
| five_cheese_s    | five_cheese    | S | 12.5  |
| five_cheese_m    | five_cheese    | M | 15.5  |
| five_cheese_l    | five_cheese    | L | 18.5  |
| four_cheese_s    | four_cheese    | S | 11.75 |
| four_cheese_m    | four_cheese    | M | 14.75 |
| four_cheese_l    | four_cheese    | L | 17.95 |
| green_garden_s   | green_garden   | S | 12    |
| green_garden_m   | green_garden   | M | 16    |
| green_garden_l   | green_garden   | L | 20.25 |
| ital_veggie_s    | ital_veggie    | S | 12.75 |
| ital_veggie_m    | ital_veggie    | M | 16.75 |
| ital_veggie_l    | ital_veggie    | L | 21    |
| mediterraneo_s   | mediterraneo   | S | 12    |
| mediterraneo_m   | mediterraneo   | M | 16    |
| mediterraneo_l   | mediterraneo   | L | 20.25 |
| mexicana_s       | mexicana       | S | 12    |
| mexicana_m       | mexicana       | M | 16    |
| mexicana_l       | mexicana       | L | 20.25 |
| spin_pesto_s     | spin_pesto     | S | 12.5  |
| spin_pesto_m     | spin_pesto     | M | 16.5  |
| spin_pesto_l     | spin_pesto     | L | 20.75 |
| spinach_fet_s    | spinach_fet    | S | 12    |
| spinach_fet_m    | spinach_fet    | M | 16    |
| spinach_fet_l    | spinach_fet    | L | 20.25 |
| veggie_veg_s     | veggie_veg     | S | 12    |
| veggie_veg_m     | veggie_veg     | M | 16    |
| veggie_veg_l     | veggie_veg     | L | 20.25 |
+------------------+----------------+------+-------+
96 rows in set (0.00 sec)

mysql>
```

PIZZA_TYPE TABLE

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96 rows in set (0.00 sec)

mysql> SELECT * FROM pizza_hut.pizza_types;
+--------------+-----------------------------------------+----------+--------------------------------------------------------------------------------------------+
| pizza_type_id | name                                    | category | ingredients                                                                                |
+--------------+-----------------------------------------+----------+--------------------------------------------------------------------------------------------+
| bbq_ckn      | The Barbecue Chicken Pizza              | Chicken  | Barbecued Chicken, Red Peppers, Green Peppers, Tomatoes, Red Onions, Barbecue Sauce         |
| cali_ckn     | The California Chicken Pizza             | Chicken  | Chicken, Artichoke, Spinach, Garlic, Jalapeno Peppers, Fontina Cheese, Gouda Cheese         |
| ckn_alfredo  | The Chicken Alfredo Pizza               | Chicken  | Chicken, Red Onions, Red Peppers, Mushrooms, Asiago Cheese, Alfredo Sauce                   |
| ckn_pesto    | The Chicken Pesto Pizza                 | Chicken  | Chicken, Tomatoes, Red Peppers, Spinach, Garlic, Pesto Sauce                                |
| southw_ckn   | The Southwest Chicken Pizza             | Chicken  | Chicken, Tomatoes, Red Peppers, Red Onions, Jalapeno Peppers, Corn, Cilantro, Chipotle Sauce |
| thai_ckn     | The Thai Chicken Pizza                  | Chicken  | Chicken, Pineapple, Tomatoes, Red Peppers, Thai Sweet Chilli Sauce                          |
| big_meat     | The Big Meat Pizza                      | Classic  | Bacon, Pepperoni, Italian Sausage, Chorizo Sausage                                          |
| classic_dlx  | The Classic Deluxe Pizza                | Classic  | Pepperoni, Mushrooms, Red Onions, Red Peppers, Bacon                                        |
| hawaiian     | The Hawaiian Pizza                      | Classic  | Sliced Ham, Pineapple, Mozzarella Cheese                                                    |
| ital_cpcllo  | The Italian Capocollo Pizza             | Classic  | Capocollo, Red Peppers, Tomatoes, Goat Cheese, Garlic, Oregano                              |
| napolitana   | The Napolitana Pizza                    | Classic  | Tomatoes, Anchovies, Green Olives, Red Onions, Garlic                                       |
| pep_msh_pep  | The Pepperoni, Mushroom, and Peppers Pizza | Classic | Pepperoni, Mushrooms, Green Peppers                                                          |
| pepperoni    | The Pepperoni Pizza                     | Classic  | Mozzarella Cheese, Pepperoni                                                                |
| the_greek    | The Greek Pizza                         | Classic  | Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Red Onions                |
| brie_carre   | The Brie Carre Pizza                    | Supreme  | Brie Carre Cheese, Prosciutto, Caramelized Onions, Pears, Thyme, Garlic                     |
```

```
| the_greek    | The Greek Pizza                   | Classic  | Kalamata Olives, Feta Cheese, Tomatoes, Garlic, Beef Chuck Roast, Red Onions
|              |                                   |          |
| brie_carre   | The Brie Carre Pizza              | Supreme  | Brie Carre Cheese, Prosciutto, Caramelized Onions, Pears, Thyme, Garlic
|              |                                   |          |
| calabrese    | The Calabrese Pizza               | Supreme  | ?Nduja Salami, Pancetta, Tomatoes, Red Onions, Friggitello Peppers, Garlic
|              |                                   |          |
| ital_supr    | The Italian Supreme Pizza         | Supreme  | Calabrese Salami, Capocollo, Tomatoes, Red Onions, Green Olives, Garlic
|              |                                   |          |
| peppr_salami | The Pepper Salami Pizza           | Supreme  | Genoa Salami, Capocollo, Pepperoni, Tomatoes, Asiago Cheese, Garlic
|              |                                   |          |
| prsc_argla   | The Prosciutto and Arugula Pizza  | Supreme  | Prosciutto di San Daniele, Arugula, Mozzarella Cheese
|              |                                   |          |
| sicilian     | The Sicilian Pizza                | Supreme  | Coarse Sicilian Salami, Tomatoes, Green Olives, Luganega Sausage, Onions, Garlic
|              |                                   |          |
| soppressata  | The Soppressata Pizza             | Supreme  | Soppressata Salami, Fontina Cheese, Mozzarella Cheese, Mushrooms, Garlic
|              |                                   |          |
| spicy_ital   | The Spicy Italian Pizza           | Supreme  | Capocollo, Tomatoes, Goat Cheese, Artichokes, Peperoncini verdi, Garlic
|              |                                   |          |
| spinach_supr | The Spinach Supreme Pizza         | Supreme  | Spinach, Red Onions, Pepperoni, Tomatoes, Artichokes, Kalamata Olives, Garlic, Asiago Cheese
|              |                                   |          |
| five_cheese  | The Five Cheese Pizza             | Veggie   | Mozzarella Cheese, Provolone Cheese, Smoked Gouda Cheese, Romano Cheese, Blue Cheese, Garlic
|              |                                   |          |
| four_cheese  | The Four Cheese Pizza             | Veggie   | Ricotta Cheese, Gorgonzola Piccante Cheese, Mozzarella Cheese, Parmigiano Reggiano Cheese, Gar
lic |                                   |          |
| green_garden | The Green Garden Pizza            | Veggie   | Spinach, Mushrooms, Tomatoes, Green Olives, Feta Cheese
|              |                                   |          |
| ital_veggie  | The Italian Vegetables Pizza      | Veggie   | Eggplant, Artichokes, Tomatoes, Zucchini, Red Peppers, Garlic, Pesto Sauce
|              |                                   |          |
| mediterraneo | The Mediterranean Pizza           | Veggie   | Spinach, Artichokes, Kalamata Olives, Sun-dried Tomatoes, Feta Cheese, Plum Tomatoes, Red Onio
ns |                                   |          |
| mexicana     | The Mexicana Pizza                | Veggie   | Tomatoes, Red Peppers, Jalapeno Peppers, Red Onions, Cilantro, Corn, Chipotle Sauce, Garlic
|              |                                   |          |
| spin_pesto   | The Spinach Pesto Pizza           | Veggie   | Spinach, Artichokes, Tomatoes, Sun-dried Tomatoes, Garlic, Pesto Sauce
|              |                                   |          |
| spinach_fet  | The Spinach and Feta Pizza        | Veggie   | Spinach, Mushrooms, Red Onions, Feta Cheese, Garlic
|              |                                   |          |
| veggie_veg   | The Vegetables + Vegetables Pizza | Veggie   | Mushrooms, Tomatoes, Red Peppers, Green Peppers, Red Onions, Zucchini, Spinach, Garlic
|              |                                   |          |
+--------------+-----------------------------------+----------+---------------------------------------------------------
----+
32 rows in set (0.00 sec)

mysql>
```

QUERIES

(1Q NO) -- FIND THE AVERAGE PRICE OF ALL PIZZAS AVAILABLE IN THE SYSTEM.

(ANS) : SELECT AVG(PRICE) AS AVERAGE_PIZZA_PRICE

FROM PIZZAS;

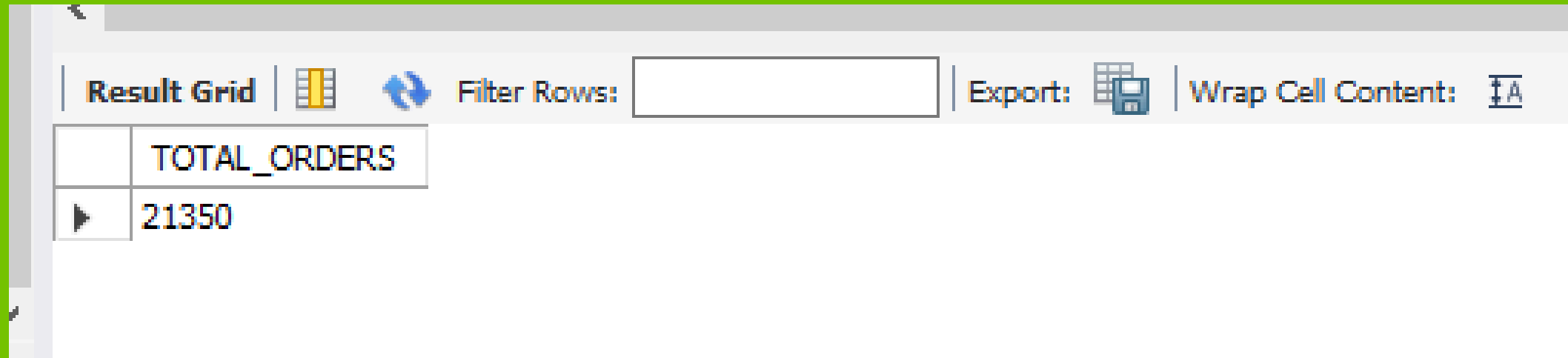| Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	Average_Pizza_Price			
▶	16.440625			

Q NO (2)   -- FINDS THE HIGHEST AND LOWEST PIZZA PRICE.

(ANS)   SELECT MAX(PRICE) AS MAX_PIZZA_PRICE, MIN(PRICE) AS MIN_PIZZA_PRICE

FROM PIZZAS;

	Max_Pizza_Price	Min_Pizza_Price
▶	35.95	9.75

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

Q NO(3) -- RETRIEVE THE TOTAL NUMBER OF ORDERS PLACED.

(ANS) SELECT COUNT(ORDER_ID) AS TOTAL_ORDERS FROM ORDERS;

Result Grid | Filter Rows: | Export: | Wrap Cell Content: A

TOTAL_ORDERS
21350

Q NO(4) -- CALCULATE THE TOTAL REVENUE GENERATED FROM PIZZA SALES.

(ANS)
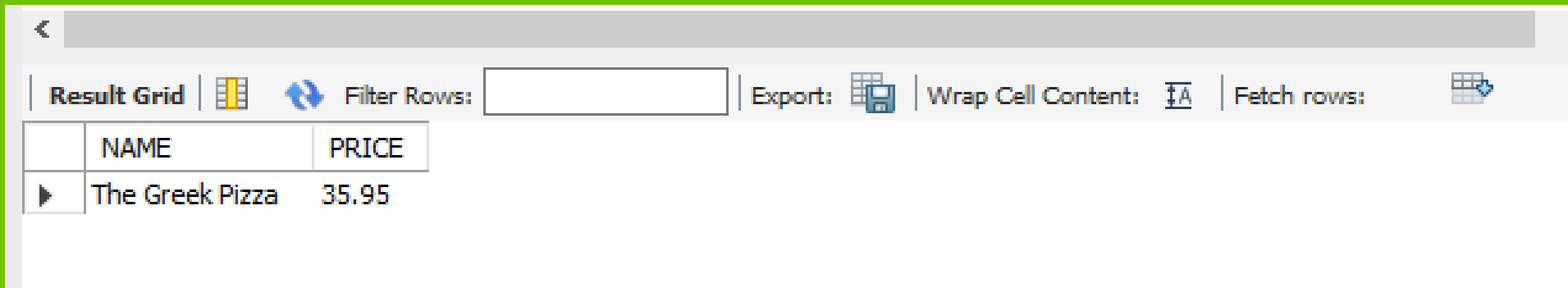
SELECT

ROUND(SUM(ORDER_DETAILS.QUANTITY * PIZZAS.PRICE),2) AS TOTAL_SALES

FROM ORDER_DETAILS JOIN PIZZAS

ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID

	TOTAL_SALES
▶	817860.05

Result Grid | Filter Rows: | Export: | Wrap Cell Content: 🗛

Q NO (5) -- IDENTIFY THE HIGHEST-PRICED PIZZA.

(ANS)

```sql
SELECT PIZZA_TYPES.NAME, PIZZAS.PRICE
FROM PIZZA_TYPES JOIN PIZZAS
ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID
ORDER BY PIZZAS.PRICE DESC LIMIT 1;
```

NAME	PRICE
The Greek Pizza	35.95

Q NO (6)-- IDENTIFY THE MOST COMMON PIZZA SIZE ORDERED.

(ANS)

SELECT

PIZZAS.SIZE,

COUNT(ORDER_DETAILS.ORDER_DETAILS_ID) AS ORDER_COUNT

FROM

PIZZAS

JOIN

ORDER_DETAILS ON PIZZAS.PIZZA_ID = ORDER_DETAILS.PIZZA_ID

GROUP BY PIZZAS.SIZE

ORDER BY ORDER_COUNT DESC;

OUT PUT:

SIZE	ORDER_COUNT
L	18526
M	15385
S	14137
XL	544
XXL	28

Q NO (7)-- LIST THE TOP 5 MOST ORDERED PIZZA TYPES ALONG WITH THEIR QUANTITIES.

(ANS)

SELECT PIZZA_TYPES.NAME,

SUM(ORDER_DETAILS.QUANTITY) AS QUANTITY

FROM PIZZA_TYPES JOIN PIZZAS

ON PIZZA_TYPES.PIZZA_TYPE_ID = PIZZAS.PIZZA_TYPE_ID

JOIN ORDER_DETAILS

ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID

GROUP BY PIZZA_TYPES.NAME ORDER BY QUANTITY DESC LIMIT 5;

OUT PUT:

NAME	QUANTITY
The Classic Deluxe Pizza	2453
The Barbecue Chicken Pizza	2432
The Hawaiian Pizza	2422
The Pepperoni Pizza	2418
The Thai Chicken Pizza	2371

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

Q NO (8) -- FIND PIZZA TYPES WITH INGREDIENTS THAT CONTAIN 'CHEESE'
(ANS)

```sql
SELECT PIZZA_TYPE_ID, NAME
FROM PIZZA_TYPES
WHERE PIZZA_TYPE_ID IN (
SELECT PIZZA_TYPE_ID
FROM PIZZA_TYPES
WHERE INGREDIENTS LIKE '%CHEESE%'
);
```

OUT PUT:

Q NO (9) -- FIND THE AVERAGE QUANTITY ORDERED FOR EACH PIZZA TYPE

(ANS)

```sql
SELECT PIZZA_TYPE_ID, AVG(QUANTITY) AS AVERAGE_QUANTITY
FROM ORDER_DETAILS
JOIN PIZZAS ON ORDER_DETAILS.PIZZA_ID = PIZZAS.PIZZA_ID
GROUP BY PIZZA_TYPE_ID;
```

OUT PUT:

THANK YOU